AUTHENTICATED
U.S. GOVERNMENT
INFORMATION
GPO

S. Hrg. 113–501

WALL STREET BANK INVOLVEMENT WITH PHYSICAL COMMODITIES

HEARINGS

BEFORE THE

PERMANENT SUBCOMMITTEE ON INVESTIGATIONS

OF THE

COMMITTEE ON
HOMELAND SECURITY AND
GOVERNMENTAL AFFAIRS
UNITED STATES SENATE

ONE HUNDRED THIRTEENTH CONGRESS

SECOND SESSION

VOLUME 2 OF 2

NOVEMBER 20 and 21, 2014

Available via the World Wide Web: http://www.fdsys.gov

Printed for the use of the
Committee on Homeland Security and Governmental Affairs

U.S. GOVERNMENT PRINTING OFFICE
91–653 PDF WASHINGTON : 2014

For sale by the Superintendent of Documents, U.S. Government Printing Office
Internet: bookstore.gpo.gov Phone: toll free (866) 512–1800; DC area (202) 512–1800
Fax: (202) 512–2104 Mail: Stop IDCC, Washington, DC 20402–0001

WALL STREET BANK INVOLVEMENT WITH PHYSICAL COMMODITIES
VOLUME 2 OF 2

S. Hrg. 113–501

WALL STREET BANK INVOLVEMENT WITH PHYSICAL COMMODITIES

HEARINGS

BEFORE THE

PERMANENT SUBCOMMITTEE ON INVESTIGATIONS

OF THE

COMMITTEE ON
HOMELAND SECURITY AND
GOVERNMENTAL AFFAIRS
UNITED STATES SENATE

ONE HUNDRED THIRTEENTH CONGRESS

SECOND SESSION

VOLUME 2 OF 2

NOVEMBER 20 and 21, 2014

Available via the World Wide Web: http://www.fdsys.gov

Printed for the use of the
Committee on Homeland Security and Governmental Affairs

COMMITTEE ON HOMELAND SECURITY AND GOVERNMENTAL AFFAIRS

THOMAS R. CARPER, Delaware, *Chairman*

CARL LEVIN, Michigan
MARK L. PRYOR, Arkansas
MARY L. LANDRIEU, Louisiana
CLAIRE McCASKILL, Missouri
JON TESTER, Montana
MARK BEGICH, Alaska
TAMMY BALDWIN, Wisconsin
HEIDI HEITKAMP, North Dakota

TOM COBURN, Oklahoma
JOHN McCAIN, Arizona
RON JOHNSON, Wisconsin
ROB PORTMAN, Ohio
RAND PAUL, Kentucky
MICHAEL B. ENZI, Wyoming
KELLY AYOTTE, New Hampshire

Gabrielle A. Batkin, *Staff Director*
Keith B. Ashdown, *Minority Staff Director*
Laura W. Kilbride, *Chief Clerk*

PERMANENT SUBCOMMITTEE ON INVESTIGATIONS

CARL LEVIN, Michigan, *Chairman*

MARK L. PRYOR, Arkansas
MARY L. LANDRIEU, Louisiana
CLAIRE McCASKILL, Missouri
JON TESTER, Montana
TAMMY BALDWIN, Wisconsin
HEIDI HEITKAMP, North Dakota

JOHN McCAIN, Arizona
RON JOHNSON, Wisconsin
ROB PORTMAN, Ohio
RAND PAUL, Kentucky
KELLY AYOTTE, New Hampshire

Elise J. Bean, *Staff Director and Chief Counsel*
Tyler Gellash, *Senior Counsel*
Henry J. Kerner, *Minority Staff Director and Chief Counsel*
Michael Lueptow, *Counsel to the Minority*
Mary D. Robertson, *Chief Clerk*
Patricia R. Hogan, *Publications Clerk*

CONTENTS

Opening statements: Page
- Senator Levin 1, 95
- Senator McCain 7, 98
- Senator Portman 23
- Senator Baldwin 33

WITNESSES

Thursday, November 20, 2014

Christopher Wibbelman, President and Chief Executive Officer, Metro International Trade Services LLC, Allen Park, Michigan 10
Jacques Gabillon, Head, Global Commodities Principal Investment Group, Goldman Sachs and Co., London, England 11
Jorge Vazquez, Founder and Managing Director, Harbor Aluminum Intelligence LLC, Austin, Texas 56
Nick Madden, Senior Vice President and Chief Supply Chain Officer, Novelis Inc., Atlanta, Georgia 57
Simon Greenshields, Global Co-Head of Commodities, Morgan Stanley, New York, New York 68
Gregory A. Agran, Co-Head, Global Commidities Group, Goldman Sachs and Co., New York, New York 69
John Anderson, Co-Head, Global Commodities Group, JPMorgan Chase and Co., New York, New York 71

Friday, November 21, 2014

Saule T. Omarova, Professor of Law, Cornell University, Ithaca, New York 99
Chiara Trabucchi, Principal, Industrial Economics, Incorporated, Cambridge, Massachusetts 101
Hon. Daniel K. Tarullo, Member, Board of Governors of the Federal Reserve System, Washington, DC 119
Larry D. Gasteiger, Acting Director, Office of Enforcement, Federal Energy Regulatory Commission, Washington, DC 120

Alphabetical List of Witnesses

Agran, Gregory A.:
- Testimony 69
- Prepared statement 274

Anderson, John:
- Testimony 71
- Prepared statement 277

Gabillon, Jacques:
- Testimony 11
- Prepared statement with an attached chart 142

Gasteiger, Larry D.:
- Testimony 120
- Prepared statement 325

Greenshields, Simon:
- Testimony 68
- Prepared statement 268

Madden, Nick:
- Testimony 57
- Prepared statement 164

Page
Omarova, Saule T.:
    Testimony 99
    Prepared statement 282
Tarullo, Hon. Daniel K.:
    Testimony 119
    Prepared statement 313
Trabucchi, Chiara:
    Testimony 101
    Prepared statement 302
Vazquez, Jorge:
    Testimony 56
    Prepared statement 148
Wibbelman, Christopher:
    Testimony 10
    Prepared statement 139

APPENDIX

Report by the Permanent Subcommittee on Investigations Majority and Minority Staff entitled "Wall Street Bank Involvement With Physical Commodities," November 20 and 21, 2014. 341

EXHIBIT LIST

VOLUME 1

1. a. *Global LME Aluminum Stocks,* chart prepared by the Permanent Subcommittee on Investigations. 816
    b. *Metro Freight Incentives,* chart prepared by Goldman Sachs. [Source: Goldman Sachs Counsel letter to the Permanent Subcommittee on Investigations, GSPSICOMMODS00046232, included in Exhibit 39] 817
    c. *Aluminum Tonnage Shipped (Metro Warehouse (Detroit) to Metro Warehouse (Detroit)),* chart prepared by Goldman Sachs. [Source: Goldman Sachs Counsel letter to the Permanent Subcommittee on Investigations, PSI-GoldmanSachs-20-000002] 818
    d. *Goldman Employees Who Served As Metro Board Members, 2009 to 2014,* chart prepared by the Permanent Subcommittee on Investigations. 819
    e. *Aluminum Merry Go Round Transactions,* chart prepared by the Permanent Subcommittee on Investigations. 820
    f. *Detroit Queue and Platts MW Aluminum Premium,* chart prepared by the Permanent Subcommittee on Investigations. 821
    g. *Wentworth Ownership Structure,* chart prepared by the Permanent Subcommittee on Investigations. 822
    h. *Overview of North America Gas, Power and PI Assets, as of 03/31/2011,* chart prepared by JPMorgan. [FRB-PSI-623097, included in Exhibit 58] 823
    i. JPMorgan internal email, dated October 2010, re: *Please sir! mor BCR!!!!* 824
    j. *Excerpts from 2013 CNR Financial Statement,* prepared by CNR. [GSPSICOMMODS00046374, included in Exhibit 17] 825
    k. *Queue Length,* chart prepared by the Permanent Subcommittee on Investigations. 826

Documents Related to Goldman Sachs/General:

2. Excerpts of Goldman Sachs *responses to questions from the Federal Reserve on 4(o) Commodities Activities,* dated May 26, 2011, re: 1997 v. 2010 physical commodity activities. [FRB-PSI-200600-602, 608-610] 827
3. Excerpts from Goldman Sachs Presentation, *Federal Reserve Bank of New York Discovery Review: Global Commodities – US Natural Gas & Power,* dated March 2010, *(Financial vs. Physical Trades FY 2009).* [FRB-PSI-400006, 008] 833
4. Goldman Sachs Presentation, *Global Commodities, Presentation to the Board of Directors of The Goldman Sachs Group, Inc.,* dated October 2011, including Metro, CNR and Cogentrix highlights. [FRB-PSI-700011-030] 835

Page
5. Excerpts from Goldman Sachs Memorandum, dated July 2012, re: *Firmwide Client and Business Standards Committee Meeting, (... Merchant Banking include CNR, Metro and Vale. ... *** ... Nufcor – treated as part of firm's own activities).* [FRB-PSI-200984, 994-996, 998-1001, 1004, 1006-007] 855
6. Goldman Sachs Memorandum to the Federal Reserve, dated July 2013, re: commodity-related activities, including environmental/catastrophic risk. [FRB-PSI-201245-268] 866
7. Goldman Sachs Presentation, *Global Commodities & Global Special Situations Group, Presentation to the Board of Directors of The Goldman Sachs Group, Inc.,* dated September 2013, including Metro and CNR (short coal hedge) highlights. [FRB-PSI-400077-098] 889
8. *Consolidated Holding Company Report of Equity Investments in Nonfinancial Companies – FR Y-12,* dated June 30, 2014, prepared by The Goldman Sachs Group, regarding its merchant banking investments. [FRB-PSI-800013-016] 910

Documents Related to Goldman Sachs Involvement with Uranium:

9. Goldman Sachs *New Product Memorandum,* dated December 2008, re: *Uranium Trading.* [FRB-PSI-400039-052] 914
10. Goldman Sachs *Physical Commodity Review Committee: Meeting Minutes,* dated May 2013, re: *enriched uranium (UF6).* [FRB-PSI-400053-055] 928
11. *Nufcor – Structure Chart,* prepared by Goldman Sachs. [GSPSICOMMODS00046240] 931
12. Excerpts from Goldman Sachs counsel letter to the Subcommittee, dated October 2014, re: Nufcor, attached chart, *Nufcor Uranium Utility Supply Contracts at the time of the Nufcor Acquisition (June 30, 2009)).* [PSI-GoldmanSachs-21-000001-010 and GSPSICOMMODS00046532-533] 932

Documents Related to Goldman Sachs Involvement with Coal:

13. *CNR Structure Chart,* prepared by Goldman Sachs. [GSPSICOMMODS-00046318] 944
14. Excerpt from *Coalcorp Mining Inc., Notice of Special Meeting of Shareholders to be Held on February 11, 2010 and Management Information Circular.* [PSI-CI-01-000001-003, 019-020, 025-028] 945
15. Goldman Sachs submission to the Federal Reserve, *Report of Changes in Organizational Structure – FR Y-10,* dated April 2010, re: CNR. [GSPSICOMMODS00046301-303] 954
16. Excerpt from *C.I. Colombian Natural Resources I SAS and J. Aron & Company Marketing Agreement,* dated September 2011. [GSPSICOMMODS00046496-501, 509] 957
17. Excerpt from *C.I. Colombian Natural Resources I S.A.S, Financial Statements for the years ended on the 31st of December of 2013 and 2012 and Statutory Auditor's Report,* dated March 2014. [GSPSICOMMODS00046366-367, 369, 373-376, 382-383, 391-395] 964
18. Goldman Sachs counsel letter to the Subcommittee, dated October 2014, re: CNR and Nufcor. [PSI-GoldmanSachs-19-000001-009] 978
19. Goldman Sachs counsel letter to the Subcommittee, dated November 2014 *(... J. Aron acted as the exclusive marketing and sales agent for CNR.).* [PSI-GoldmanSachs-25-000001-003] 987
20. Goldman Sachs *Metals & Mining, Background to Environmental and Social Due Diligence,* last updated 2012. [FRB-PSI-300221-230] 990

Documents Related to Goldman Sachs Involvement with Aluminum:

21. Excerpt from Goldman Sachs counsel letter to the Subcommittee, dated October 2014, including chart, *Aluminum Tonnage Shipped (Metro Warehouse (Detroit) to Metro Warehouse (Detroit)).* [PSI-GoldmanSachs-20-000001-002] 1000
22. a. Invoice List of Glencore Ltd. and Red Kite Master Fund Limited. [GSPSICOMMODS00046871-872] 1002
    b. Glencore Ltd. invoice to Metro International Trade, dated June 21, 2013, in the amount of $9,909,280.66. [GSPSICOMMODS00046873] 1004
    c. Glencore Ltd. invoice to Metro International Trade, dated June 21, 2013, in the amount of $402,190.77. [GSPSICOMMODS00046874] 1005
    d. Glencore Ltd. invoice to Metro International Trade, dated September 24, 2013, in the amount of $321,105.33. [GSPSICOMMODS00046875] 1006

Page

  e. Red Kite Master Fund Limited invoice to Metro International Trade, dated November 13, 2012, in the amount of $5,735,700. [GSPSICOMMODS00046876] 1007
  f. Red Kite Master Fund Limited invoice to Metro International Trade, dated December 20, 2012, in the amount of $632,720. [GSPSICOMMODS00046877] 1008
  g. Red Kite Master Fund Limited invoice to Metro International Trade, dated January 28, 2014, in the amount of $2,932,731.43. [GSPSICOMMODS00046878] 1009
  h. Red Kite Master Fund Limited invoice to Metro International Trade, dated January 28, 2014, in the amount of $14,084,464.63. [GSPSICOMMODS00046879] 1010
23. *Warrant Finance Agreement, DB Energy Trading LLC and Metro International Trade Services LLC,* dated September 2010. [GSPSICOMMODS-0047434-447] 1011
24. Excerpt from Goldman Sachs Presentation, *MITSI Holdings LLC, Board of Directors Meeting,* dated December 2012, slide entitled *Overview Off-warrant Deals,* re: Red Kite deals. [GSPSICOMMODS00009348] 1025
25. Metro internal email, dated November 2012, re: Detroit Ali – off warrant storage deal. [GSPSICOMMODS00046684-686] 1026
26. Glencore/Metro email exchange, dated April 2013, re: *New Deal 09 Glencore Detroit (... all 91,000 mt for Glencore scheduled to ship outbound in May/June will do so as scheduled but will go to other Metro locations in Detroit (we of course decide) and remain off warrant until June/July 2013 at which point the material will be rewarranted.).* [PSICOMMODS00046687-691] 1029
27. Charts related to last Red Kite deal and Glencore deal, prepared by Metro for LME in 2014. [GSPSICOMMODS00046666-683] 1034
28. Metro internal email, dated December 2010, re: *Montreal (... blocking others. *** ... Q management.).* [GSPSICOMMODS00047422] 1052
29. Metro internal email, dated February 2012, re: *Stemcor 12 kt to Detroit (... queue management.).* [GSPSICOMMODS00047423-429] 1053
30. Metro internal email of Michael Whelan, dated June 2013, re: *Resignation (I have some questions and concerns regarding the Chinese Wall Policy that is in place which regulates the interaction between Metro International, its customers, and J Aron. This morning's confrontation was extremely questionable.)* [GSPSICOMMODS00047430] 1060
31. *Metro International Trade Services (2011-2013)* and *(2014),* charts regarding agreements of sharing physical premiums. [GSPSICOMMODS-00046531, 46630] 1061
32. Goldman Sachs chart, *Metro International Trade Services, Management Brief, June 2011 (Extraordinary income from counterparties sharing physical premium with Metro ...).* [GSPSICOMMODS00009668] 1063
33. LME counsel letter to the Subcommittee, dated November 2014 *(... while the LME would view such behavior as a contravention of the "spirit" of the relevant requirements, it may be difficult to argue that it constituted a contravention of the "letter" of those requirements.).* [LME__PSI0002459-462] 1064
34. Aluminum Users Group Memorandum, dated October 2012 *(The LME's terminal market model ... is broken.).* [PSI-AlumUsersGroup-01-000010-012] 1068
35. Goldman Sachs *Presentation to Firmwide Client and Business Standards Committee, Metro International Trade Services,* dated August 2011, including slide entitled, *Metro Financial Summary.* [FRB-PSI-707486-500] 1071
36. a. Goldman Sachs Presentation, *MITSI Holdings LLC, Board of Directors Meeting,* dated December 2011, including slide entitled Current Deal Pipeline. [GSPSICOMMODS00009287-309] 1086
  b. Goldman Sachs Presentation, *MITSI Holdings LLC, Board of Directors Meeting,* dated March 2012, including slides entitled *Current Deal Pipeline and Overview Off-warrant Deals.* [GSPSICOMMODS-00009423-449] 1109
  c. Goldman Sachs Presentation, *MITSI Holdings LLC, Board of Directors Meeting,* dated December 2012, including slides entitled *Current Deal Pipeline and Overview Off-warrant Deals.* [GSPSICOMMODS-00009332-353] 1136

Page

    d. Goldman Sachs Presentation, *MITSI Holdings LLC, Board of Directors Meeting,* dated March 2013, including slides entitled *Current Deal Pipeline and Metro's Annual Financial Performance.* [GSPSICOMMODS-00009355-377] 1157
37. London Metal Exchange (LME) document listing *Terms and conditions applicable to all LME listed warehouse companies,* dated April 2014. [LME__PSI0001406-427] 1178
38. a. *Conflict Management Procedures Between Metro and Other GS Businesses and Personnel, Policy Issued To: Global Commodities Sales and Trading, Global Commodities Principal Investment, Metro Board Members, Metro Management and Staff,* dated February 2010. [FRB-PSI-602457-471] 1200
    b. *Information Barrier Policy: Metro and Other GS Businesses and Personnel, For: Global Commodities Sales and Trading, Global Commodities Principal Investments, Metro Board Members, Metro Management and Staff,* dated March 2014. [GSPSICOMMODS00004059-076] 1215
39. Excerpt from Goldman Sachs counsel letter to the Subcommittee, dated September 2014, including table listing *Total Annual Freight Allowance Paid by Metro and Annual Freight Allowance Paid by Metro to J. Aron.* [PSI-GoldmanSachs-15-000001 and GSPSICOMMODS00046232-233] 1233
40. Excerpts from Goldman Sachs counsel letter to the Subcommittee, dated August 2014, including list of authorized Goldman Sachs employees given access to confidential information. [PSI-GoldmanSachs-17-000001 and GSPSICOMMODS00046225-226] 1236

Documents Related to Morgan Stanley/General:

41. Morgan Stanley Presentation, *Global Commodities Overview,* dated May 2009. [FRB-PSI-618889-908] 1239
42. Morgan Stanley Presentation, *Morgan Stanley Commodities, Business Overview,* dated February 2013, prepared for the Permanent Subcommittee on Investigations. [PSI-MorganStanley-01-000001-027] 1259
43. *Consolidated Holding Company Report of Equity Investments in Nonfinancial Companies – FR Y-12,* dated June 30, 2014, prepared by Morgan Stanley, regarding its merchant banking investments. [FRB-PSI-800009-012] 1286

Documents Related to Morgan Stanley Involvement with Natural Gas:

44. Excerpt from Morgan Stanley Presentation, *Federal Reserve Bank of New York, Morgan Stanley Infrastructure Platform Review,* prepared by Morgan Stanley, dated September 2013. [FRB-PSI-400321-329, 331 333, 341, 351-352, 365-366] 1290
45. a. *Application of Wentworth Gas Marketing LLC for Long-Term Authorization to Export Compressed Natural Gas,* submitted to the Department of Energy, Office of Fossil Energy, dated May 2014. 1307
    b. *Department of Energy, Office of Fossil Energy, In re Wentworth Gas Marketing LLC, Order Granting Long-Term Authorization To Export Compressed Natural Gas,* dated October 2014. [PSI-DOE-01-000004-016] 1326
46. Excerpt from Morgan Stanley Presentation, *Morgan Stanley Infrastructure Partners, Overview of Southern Star,* dated August 2014. [MS-PSI-00000001-016, 019-020, 023-027, 035, 037] 1339
47. Morgan Stanley counsel letter to the Subcommittee, dated September 2014, re: ... *Morgan Stanley's purchase of the Deutsche Bank natural portfolio and involvement with Wentworth Holdings, LLC.* [PSI-MorganStanley-13-000001-009] 1364
48. Excerpt from Morgan Stanley Presentation, *Morgan Stanley Infrastructure Partners, Southern Star Follow Up Questions,* dated October 2014. [MS-PSI-00000455-460, 465-469, 472-475] 1373

Documents Related to Morgan Stanley Involvement with Crude Oil:

49. Excerpts from Morgan Stanley counsel letter to the Subcommittee, dated October 2014, re: early New York oil storage. [PSI-MorganStanley-17-000001-002] 1387
50. Excerpts from Morgan Stanley counsel letter to the Subcommittee, dated June 2013, re: TransMontaigne. [PSI-MorganStanley-06-000001-004] 1389

Page

51. Excerpts from Morgan Stanley counsel letter to the Subcommittee, dated October 2014, re: oil storage data, revenue, and Olco Petroleum Group. [PSI-MorganStanley-19-000001-003] 1393

Documents Related to Morgan Stanley Involvement with Jet Fuel:

52. Excerpts from *Jet Fuel Supply Agreement between Morgan Stanley Capital Group Inc. and United Airlines, Inc. and United Aviation Fuels Corporation,* dated September 2003. [PSI-UnitedAirlines-01-000003, 013, 016, 020-022] 1396
53. Morgan Stanley counsel letter to the Subcommittee, dated September 2014, re: Emirates. [PSI-MorganStanley-15-000001-004] 1402
54. Emirates counsel letter to the Subcommittee, dated October 2014, re: jet fuel purchases and hedges. [PSI-Emirates-01-000001-004] 1406
55. Emirates counsel letter to the Subcommittee, dated October 2014, re: jet fuel purchases and hedges. [PSI-Emirates-02-000001-007] 1410

Documents Related to JPMorgan Chase/General:

56. a. *Notice to the Board of Governors of the Federal Reserve System by JPMorgan Chase & Co.,* submitted July 21, 2005, requesting complementary authority for physical commodity activities. [PSI-FederalReserve-01-000004-028] 1417
    b. *Notice to the Board of Governors of the Federal Reserve System by JPMorgan Chase & Co.,* submitted November 25, 2008, requesting complementary authority for refining activities. [PSI-Federal Reserve-01-000553-558] 1442
57. Federal Reserve letter to JPMorgan Chase, dated April 20, 2009, granting complementary authority, re: refining activities. [PSI-FRB-11-000001-002] 1448
58. JPMorgan Presentation, *Global Commodities – Operating Risk,* dated April 2011. [FRB-PSI-623086-127] 1450
59. JPMorgan Chase physical inventory positions, 2008-2012. [JPM-COMM-PSI-000015-016] 1491
60. *Merchant Banking Investment in Henry Bath,* undated, prepared by JPMorgan. [FRB-PSI-000580-582] 1493
61. Excerpt from JPMorgan Presentation, *Commodities Physical Operating Risk, Update to CIBRC,* dated January 2013, with slide entitled *Physical Operating Risk Review of Project Liberty.* [FRB-PSI-301379, 381] 1496
62. *Consolidated Holding Company Report of Equity Investments in Non-financial Companies – FR Y-12,* dated June 30, 2014, prepared by JPMorgan, regarding its merchant banking investments. [FRB-PSI-800005-008] 1498
63. Excerpts from *Global & Regional Investment Bank League Tables – 1H2014,* dated September 2014, prepared by Coalition Analytics Intelligence. [PSI-Coalition-01-000019-021] 1502
64. JPMorgan Chase counsel letter to the Subcommittee, dated June 2014, re: J.P.Morgan Ventures Energy Corporation (JPMVEC). [PSI-JPMC-11-000001-002] 1505
65. JPMorgan Chase counsel letter to the Subcommittee, dated October 2014, re: JPMVEC and Project Liberty. [PSI-JPMorganChase-14-000001-009] 1507
66. JPMorgan Chase counsel letter to the Subcommittee, dated October 2014, re: various commodity issues. [PSI-JPMorgan-15-000001-008] 1516

Documents Related to JPMorgan Chase Involvement with Electricity:

67. *Power Plants Owned or Controlled via Tolling Agreements, 2008 to present,* chart prepared by JPMorgan. [JPM-COMM-PSI-000022-025] 1524
68. Federal Reserve Bank of New York letter to JPMorgan Chase, dated March 2008, granting 2-year grace period for power plants and other assets acquired from The Bear Stearns Companies Inc. [FRB-PSI-900001-003] 1528
69. Excerpts from JPMorgan Presentation, *Global Commodities Deep Dive Risk Review,* dated October 2009. [FRB-PSI-200634-638, 640-642, 644-645, 649-655] 1531
70. a. *Notice to the Board of Governors of the Federal Reserve System by JPMorgan Chase & Co.,* submitted December 30, 2009, requesting complementary authority for energy management activities. [PSI-FederalReserve-01-000561-567] 1548

Page

b. *Notice to the Board of Governors of the Federal Reserve System by JPMorgan Chase & Co.,* submitted December 30, 2009, requesting complementary authority for tolling activities. [PSI-FederalReserve-02-000012-033] 1555

71. JPMorgan letter to the Federal Reserve, dated February 2010, requesting extension and additional complementary authority. [FRB-PSI-300286-290] 1577
72. Federal Reserve letter to JPMorgan Chase, dated June 2010, granting complementary authority regarding power plants. [FRB-PSI-302571-580] . 1582
73. JPMorgan *Transaction Overview,* dated August 2010, regarding purchase of Kinder Morgan Power Plant. [FRB-PSI-300066] 1592
74. Undated document prepared by JPMorgan regarding power plant restructuring. [FRB-PSI-300352-353] 1593
75. JPMorgan Presentation, *Commodities Operational Risk Capital,* dated May 2011. [FRB-PSI-300727-736] 1595
76. JPMorgan internal email, dated April 2010, re: *Resume for Power,* attaching resume of John Howard Bartholomew *(Identified a flaw in the market mechanism Bid Cost Recovery that is causing the CAISO to misallocate millions of dollars.).* [PSI-FERC-02-000009-010] 1605
77. JPMorgan internal email, dated October 2010, re: *Please sir! mor BCR!!!!* [PSI-FERC-02-000042] 1607
78. JPMorgan internal email from Francis Dunleavy to Blythe Masters, dated March 2011, re: *CAISO update (I will handle it but it may not be pretty.).* [PSI-FERC-02-000067] 1608

Documents Related to JPMorgan Chase Involvement with Copper:

79. JPMorgan Presentation, *JPM Commodity Capabilities,* dated January 2012. [FRB-PSI-200832-865] 1609
80. Excerpt from JPMorgan Presentation, *FED/OCC Quarterly Meeting,* dated February 2013, including slide entitled, *Physical Inventory Limits from FED & OCC.* [FRB-PSI-301443, 447] 1639
81. Federal Reserve email to the Subcommittee, dated October 2014, re: treating copper as "bullion." [PSI-FRB-16-000001] 1641
82. JPMorgan counsel email to the Subcommittee, dated October 2014, re: metals trading desk. [PSI-JPMorgan-16-000001] 1642
83. JPMorgan counsel letter to the Subcommittee, dated October 2014, re: JPMorgan copper activities. [PSI-JPMorgan-18-000001-008 and JPM-COMM-PSI-000064-066] 1643
84. OCC Interpretive Letter No. 553, dated May 1991, re: treating platinum as bullion. [PSI-OCC-01-000112-113] 1651
85. OCC Interpretive Letter No. 693, dated December 1995, re: treating copper as bullion. [PSI-OCC-01-000135-141] 1653
86. a. Comment Letter from Senator Carl Levin to the Securities and Exchange Commission, dated, July 2012, re: *JPM XF Physical Copper Trust Pursuant to NYSE Area Equities Rule 8.201.* 1660
    b. Comment Letter from Senator Carl Levin to the Securities and Exchange Commission, dated, March 2013, re: *JPM XF Physical Copper Trust, Form S-1 Registration Statement.* 1667
87. Comment Letter from law firm representing copper fabricating companies to the Securities and Exchange Commission, dated July 2012, re: rule change allowing copper ETF. [PSI-VandenbergFeliu__to__SEC(July2012)-000001-005] 1682
88. LME email to the Subcommittee, dated November 2014: re: LME's Public Warrant Banding Report, dated December 15, 2010. [PSI-LME-06-000001] 1687

Documents Related to JPMorgan Chase Involvement with Size Limits:

89. *Methodology for Calculating Capacity Payments for Purposes of 5% Limit,* undated, prepared by JPMorgan. [FRB-PSI-300345-347] 1688
90. Excerpt from JPMorgan Presentation, *FED/OCC/FDIC Quarterly Meeting,* dated September 2013, *Physical Inventory Limits from FED & OCC.* [FRB-PSI-301383, 387] 1691
91. Excerpt from JPMorgan Chase counsel letter to the Subcommittee, dated October 2014, including chart with inventory levels for copper, platinum, and palladium as of September 28, 2012 held by JPMorgan Chase Bank. [PSI-JPMorgan-15-000001 and JPM-COMM-PSI-000048-049] 1693

Page

92. JPMorgan internal email, dated January 2012, re: *Consolidated OCC Summary 10 Jan 2012,* providing inventory levels for metals held by JPMorgan Chase Bank. [OCC-PSI-00000336] 1696
93. JPMorgan internal email, dated January 2012, re: *Consolidated OCC Summary 19 Jan 2012 (... took further action yesterday to lend 100k tonnes of materials to the market as well as sell 400k tonnes of material to JPMVEC.).* [OCC-PSI-00000344] 1697
94. JPMorgan internal email, dated January 2012, re: *Consolidated OCC Summary 19 Jan 2012 (It will not happen again that you learn about it after the fact when it is an issue within our control.).* [OCC-PSI-00000340] 1698
95. JPMorgan internal email, dated February 2012, re: *5% Limit Calculation (Following are our current and proposed methodologies for calculating the* [OCC] *5% limit.).* [OCC-PSI-00000324] 1699
96. JPMorgan Chase counsel email to the Subcommittee, dated November 2014, *(JPMCB's daily aluminum inventory values and the corresponding LME cash price for aluminum.).* [PSI-JPMorgan-23-000001] 1700
97. Excerpt from JPMorgan Chase counsel letter to the Subcommittee, dated October 2014, re: aluminum trades and 5% limit. [PSI-JPMorgan-17-000001-002] 1701
98. Excerpt from JPMorgan Chase counsel letter to the Subcommittee, dated November 2014, re: JPMCB aluminum holdings. [PSI-JPMorgan-19-000001-003] 1703
99. a. Metro legal counsel letter to LME, dated January 27, 2014. [GSPSICOMMODS00046661-665] 1706
    b. Metro legal counsel letter to LME, dated April 15, 2014. [GSPSICOMMODS00046834-848] 1711
100.a. Responses of Hon. Daniel K. Tarullo, Federal Reserve System, to supplemental questions for the record from Senator Carl Levin. 1726
    b. Responses of Chiara Trabucchi, Industrial Economics, Incorporated, to supplemental questions for the record from Senator Carl Levin. 1735
101.a. Responses of Gregory A. Agran, Goldman Sachs & Co., to supplemental questions for the record from Senator Kelly Ayotte. 1739
    b. Responses of John Anderson, JPMorgan Chase & Co., to supplemental questions for the record from Senator Kelly Ayotte. 1745
    c. Responses of Simon Greenshields, Morgan Stanley, to supplemental questions for the record from Senator Kelly Ayotte. 1751
102.a. Responses of Jorge Vazquez, Harbor Aluminum Intelligence Unit, LLC, to supplemental questions for the record from Senator Tammy Baldwin. 1754
    b. Responses of Nick Madden, Novelis, Inc., to supplemental questions for the record from Senator Tammy Baldwin. 1759

VOLUME 2

103. *Document Locator List* and documents cited in footnotes to *"Wall Street Bank Involvement With Physical Commodities,"* the Report released in conjunction with the Subcommittee hearing on November 20 and 21, 2014. The *Document Locator List* provides the Bates numbers or a description of the documents cited in the Report and the hearing record page number where the document can be located. Not included are documents related to Subcommittee interviews, which are not available to the public, and widely available public documents. 1763

Hearing On
Wall Street Bank Involvement With Physical Commodities
November 20 and 21, 2014

EXHIBIT #103:

Document Locator List and documents cited in footnotes to *Wall Street Bank Involvement With Physical Commodities*, the Report released in conjunction with the Subcommittee hearing on November 20 and 21, 2014. The *Document Locator List* provides the Bates numbers or description of the documents cited in the Report and the hearing record page number where the document can be located. Not included are documents related to Subcommittee interviews, which are not available to the public, and widely available public documents.

Permanent Subcommittee on Investigations
EXHIBIT #103

REPORT DOCUMENT LOCATOR LIST

WALL STREET BANK INVOLVEMENT WITH PHYSICAL COMMODITIES

Bates Number or Document Description	**Page Number**
BARCLAYS-PSI-000001 *(See attachment to PSI-Barclays-01-000001)*	2782
FRB-PSI-000580-582 (Printed as Exhibit 60)	1493
FRB-PSI-200167-172	1774
FRB-PSI-200173-182	1780
FRB-PSI-200405-418	1790
FRB-PSI-200419-423 [Sealed Exhibit]	*
FRB-PSI-200428-454 [Sealed Exhibit]	*
FRB-PSI-200455-476 [Sealed Exhibit]	*
FRB-PSI-200477-510 [Sealed Exhibit]	*
FRB-PSI-200511-515 [Sealed Exhibit]	*
FRB-PSI-200516-585 [Sealed Exhibit]	*
FRB-PSI-200586-599 [Sealed Exhibit]	*
FRB-PSI-200600-601, 608-610 (Printed as Exhibit 2)	827
FRB-PSI-200611-632 [Sealed Exhibit]	*
FRB-PSI-200634-638, 640-642, 644-645, 649-655 (Printed as Exhibit 69)	1531
FRB-PSI-200634-655	1804
FRB-PSI-200822-826	1824
FRB-PSI-200827-831 [Sealed Exhibit]	*
FRB-PSI-200832-865 (Printed as Exhibit 79)	1609
FRB-PSI-200936-941 [Sealed Exhibit]	*
FRB-PSI-200942-943 [Sealed Exhibit]	*
FRB-PSI-200944-959 [Sealed Exhibit]	*
FRB-PSI-200961-979	1829
FRB-PSI-200984, 994-996, 998-1001, 1004, 1006-007 (Printed as Exhibit 5)	855
FRB-PSI-201176-189	1848
FRB-PSI-201245-269 (Printed as Exhibit 6)	866
FRB-PSI-300066 (Printed as Exhibit 73)	1592
FRB-PSI-300066-093 [Sealed Exhibit]	*
FRB-PSI-300210-220 [Sealed Exhibit]	*
FRB-PSI-300221-230 (Printed as Exhibit 20)	990
FRB-PSI-300258-263	1862
FRB-PSI-300286-290 (Printed as Exhibit 71)	1555
FRB-PSI-300299-302 [Sealed Exhibit]	*

REPORT DOCUMENT LOCATOR LIST

WALL STREET BANK INVOLVEMENT WITH PHYSICAL COMMODITIES

Bates Number or Document Description	**Page Number**
FRB-PSI-300311-313	1868
FRB-PSI-300323-325 [Sealed Exhibit]	*
FRB-PSI-300338-340 [Sealed Exhibit]	*
FRB-PSI-300345-347 (Printed as Exhibit 89)	1688
FRB-PSI-300352-353 (Printed as Exhibit 74)	1593
FRB-PSI-300358-359	1871
FRB-PSI-300645-649	1873
FRB-PSI-300727-736 (Printed as Exhibit 75)	1595
FRB-PSI-300980-1049	1876
FRB-PSI-301056	1917
FRB-PSI-301061-062	1918
FRB-PSI-301068	1920
FRB-PSI-301069-071 [Sealed Exhibit]	*
FRB-PSI-301163-168 [Sealed Exhibit]	*
FRB-PSI-301370-378	1921
FRB-PSI-301379, 381 (Printed as Exhibit 62)	1498
FRB-PSI-301379, 381 (Printed as Exhibit 61)	1496
FRB-PSI-301383, 387 (Printed as Exhibit 90)	1691
FRB-PSI-301397-442	1926
FRB-PSI-301443, 447 (Printed as Exhibit 80)	1639
FRB-PSI-301525-531 [Sealed Exhibit]	*
FRB-PSI-301538-592	1930
FRB-PSI-301593-601 [Sealed Exhibit]	*
FRB-PSI-301636-637	1938
FRB-PSI-301641-644	1940
FRB-PSI-301650-651 [Sealed Exhibit]	*
FRB-PSI-301653-663 [Sealed Exhibit]	*
FRB-PSI-301666-670 [Sealed Exhibit]	*
FRB-PSI-301676	1944
FRB-PSI-301884-886 (Attachment FRB-PSI-302308-322)	1945
FRB-PSI-302308-322 (*See Attachment to FRB-PSI-301884*)	1946
FRB-PSI-302571-580 (Printed as Exhibit 72)	1582
FRB-PSI-302581-587	1951
FRB-PSI-302759-768	1957
FRB-PSI-302972-996 [Sealed Exhibit]	*
FRB-PSI-303638-662 [Sealed Exhibit]	*

REPORT DOCUMENT LOCATOR LIST

WALL STREET BANK INVOLVEMENT WITH PHYSICAL COMMODITIES

Bates Number or Document Description	Page Number
FRB-PSI-303698-767 [Sealed Exhibit]	*
FRB-PSI-303773-818 [Sealed Exhibit]	*
FRB-PSI-304493-520	1965
FRB-PSI-304601-604 [Sealed Exhibit]	*
FRB-PSI-304613-672 [Sealed Exhibit]	*
FRB-PSI-304627-645 [Sealed Exhibit]	*
FRB-PSI-304665-672 [Sealed Exhibit]	*
FRB-PSI-304673-677 [Sealed Exhibit]	*
FRB-PSI-304747-793 [Sealed Exhibit]	*
FRB-PSI-304794-797 [Sealed Exhibit]	*
FRB-PSI-304806-807 [Sealed Exhibit]	*
FRB-PSI-304828-843 [Sealed Exhibit]	*
FRB-PSI-304860-867 [Sealed Exhibit]	*
FRB-PSI-304868-875 [Sealed Exhibit]	*
FRB-PSI-304896-904 [Sealed Exhibit]	*
FRB-PSI-304905-913 [Sealed Exhibit]	*
FRB-PSI-304941-959 [Sealed Exhibit]	*
FRB-PSI-305013-030 [Sealed Exhibit]	*
FRB-PSI-400006, 008 (Printed as Exhibit 3)	833
FRB-PSI-400039-052 (Printed as Exhibit 9)	914
FRB-PSI-400053-055 (Printed as Exhibit 10)	928
FRB-PSI-400065-070	1968
FRB-PSI-400077-098 (Printed as Exhibit 7)	889
FRB-PSI-400179-181 [Sealed Exhibit]	*
FRB-PSI-400321-329, 331-333, 341, 351-352, 365-366 (Printed as Exhibit 44)	1290
FRB-PSI-500001-050, 219-227	1974
FRB-PSI-500001-231 [full, unredacted document, Sealed Exhibit]	*
FRB-PSI-601685-713	2033
FRB-PSI-602243-263	2043
FRB-PSI-602243-274 [full, unredacted document, Sealed Exhibit]	*
FRB-PSI-602360-370 [Sealed Exhibit]	*
FRB-PSI-602457-471 (Printed as Exhibit 38a)	1200
FRB-PSI-618889-908 (Printed as Exhibit 41)	1239
FRB-PSI-619109-129	2064
FRB-PSI-623086-127 (Printed as Exhibit 58)	1450
FRB-PSI-624379-382 [Sealed Exhibit]	*

REPORT DOCUMENT LOCATOR LIST

WALL STREET BANK INVOLVEMENT WITH PHYSICAL COMMODITIES

Bates Number or Document Description	**Page Number**
FRB-PSI-624436, 439-440, 444-446, 448, 450, 478	2073
FRB-PSI-700011-030 (Printed as Exhibit 4)	835
FRB-PSI-700124-150 [Sealed Exhibit]	*
FRB-PSI-706298-304	2082
FRB-PSI-707486-500 (Printed as Exhibit 35)	1071
FRB-PSI-708382-385 [Sealed Exhibit]	*
FRB-PSI-800005-008 (Printed as Exhibit 62)	1498
FRB-PSI-800009-012 (Printed as Exhibit 43)	1286
FRB-PSI-800013-016 (Printed as Exhibit 8)	910
FRB-PSI-900001-003 (Printed as Exhibit 68)	1528
GSPSICOMMODS00000001-R to 003-R	2089
GSPSICOMMODS00000005-007	2092
GSPSICOMMODS00000008-014 [Sealed Exhibit]	*
GSPSICOMMODS00000018-025 *(Attachment to PSI-GoldmanSachs-06-000001)* [Sealed Exhibit]	*
GSPSICOMMODS00004059-076 (Printed as Exhibit 38b)	1215
GSPSICOMMODS00004113-116 *(See attachment to PSI-GoldmanSachs-09-000001)*	2846
GSPSICOMMODS00009268-286	2095
GSPSICOMMODS00009287-309 (Printed as Exhibit 36a)	1086
GSPSICOMMODS00009332-353 (Printed as Exhibit 36c)	1136
GSPSICOMMODS00009348 (Printed as Exhibit 24)	1025
GSPSICOMMODS00009355-377 (Printed as Exhibit 36d)	1157
GSPSICOMMODS00009387-397	2112
GSPSICOMMODS00009398-422	2129
GSPSICOMMODS00009423-449 (Printed as Exhibit 36b)	1109
GSPSICOMMODS00009450-469	2152
GSPSICOMMODS00009492-505	2171
GSPSICOMMODS00009519-542	2183
GSPSICOMMODS00009575-598	2205
GSPSICOMMODS00009599-614	2228
GSPSICOMMODS00009664	2242
GSPSICOMMODS00009668 (Printed as Exhibit 32)	1063
GSPSICOMMODS00009670	2243
GSPSICOMMODS00009675	2244
GSPSICOMMODS00009677	2245
GSPSICOMMODS00009690	2478

REPORT DOCUMENT LOCATOR LIST

WALL STREET BANK INVOLVEMENT WITH PHYSICAL COMMODITIES

Bates Number or Document Description	Page Number
GSPSICOMMODS00040203-206	2247
GSPSICOMMODS00046225-226 (Printed as Exhibit 40)	1236
GSPSICOMMODS00046232-233 (Printed as Exhibit 39)	1233
GSPSICOMMODS00046240 (Printed as Exhibit 11)	931
GSPSICOMMODS00046241-253	2251
GSPSICOMMODS00046254-266	2255
GSPSICOMMODS00046281-290 [Sealed Exhibit]	*
GSPSICOMMODS00046301-303 (Printed as Exhibit 15)	954
GSPSICOMMODS00046304-307	2259
GSPSICOMMODS00046318 (Printed as Exhibit 13)	944
GSPSICOMMODS00046319-365	2263
GSPSICOMMODS00046366-367, 369, 373-376, 382-383, 391-395 (Printed as Exhibit 17)	964
GSPSICOMMODS00046496-501, 509 (Printed as Exhibit 16)	957
GSPSICOMMODS00046531, 46630 (Printed as Exhibit 31)	1061
GSPSICOMMODS00046532-533 (Printed as Exhibit 12)	932
GSPSICOMMODS00046535	2274
GSPSICOMMODS00046536-542	2275
GSPSICOMMODS00046630	2282
GSPSICOMMODS00046656 [Sealed Exhibit]	*
GSPSICOMMODS00046657-660 [Sealed Exhibit]	*
GSPSICOMMODS00046661-665 (Printed as Exhibit 99a)	1706
GSPSICOMMODS00046666-683 (Printed as Exhibit 27)	1034
GSPSICOMMODS00046684-686 (Printed as Exhibit 25)	1026
GSPSICOMMODS00046687-691 (Printed as Exhibit 26)	1029
GSPSICOMMODS00046827-833 [Sealed Exhibit]	*
GSPSICOMMODS00046834-848 (Printed as Exhibit 99b)	1711
GSPSICOMMODS00046850-869	2283
GSPSICOMMODS00046871-872 (Printed as Exhibit 22a)	1002
GSPSICOMMODS00046873 (Printed as Exhibit 22b)	1004
GSPSICOMMODS00046874 (Printed as Exhibit 22c)	1005
GSPSICOMMODS00046875 (Printed as Exhibit 22d)	1006
GSPSICOMMODS00046876 (Printed as Exhibit 22e)	1007
GSPSICOMMODS00046877 (Printed as Exhibit 22f)	1008
GSPSICOMMODS00046878 (Printed as Exhibit 22g)	1009
GSPSICOMMODS00046879 (Printed as Exhibit 22h)	1010
GSPSICOMMODS00046902-7095	2303

REPORT DOCUMENT LOCATOR LIST

WALL STREET BANK INVOLVEMENT WITH PHYSICAL COMMODITIES

Bates Number or Document Description	Page Number
GSPSICOMMODS00047097-198	2497
GSPSICOMMODS00047310-329	2599
GSPSICOMMODS00047330-334	2618
GSPSICOMMODS00047335-341	2624
GSPSICOMMODS00047422 (Printed as Exhibit 28)	1052
GSPSICOMMODS00047423-429 (Printed as Exhibit 29)	1053
GSPSICOMMODS00047430 (Printed as Exhibit 30)	1060
GSPSICOMMODS00047431-432	2631
GSPSICOMMODS00047434-447 (Printed as Exhibit 23)	1011
JPM-COMM-PSI-000001-004 [Sealed Exhibit]	*
JPM-COMM-PSI-000015-016 (Printed as Exhibit 59)	1491
JPM-COMM-PSI-000015-018 [Full, unredacted document, Sealed Exhibit]	*
JPM-COMM-PSI-000022-025 (Printed as Exhibit 67)	1524
JPM-COMM-PSI-000048-049 (Printed as Exhibit 91)	1693
JPM-COMM-PSI-000064-066 (Printed as Exhibit 83)	1643
LME_PSI0000001-004 [Sealed Exhibit]	*
LME_PSI0000696-722	2633
LME_PSI0001085-089	2660
LME_PSI0001137-167	2665
LME_PSI0001406-427 (Printed as Exhibit 37)	1178
LME_PSI0002257-278	2696
LME_PSI0002459-462 (Printed as Exhibit 33)	1064
MS-COM-0001-0006	2718
MS-PSI-00000001-016, 019-020, 023-027, 035, 037 (Printed as Exhibit 46)	1339
MS-PSI-00000455-460, 465-469, 472-475 (Printed as Exhibit 48)	1373
OCC-PSI-00000033-035 [Sealed Exhibit]	*
OCC-PSI-00000040-043 [Sealed Exhibit]	*
OCC-PSI-00000047-049 [Sealed Exhibit]	*
OCC-PSI-00000077, 080 [Sealed Exhibit]	*
OCC-PSI-00000087	2724
OCC-PSI-00000266-298	2725
OCC-PSI-00000303-306 [Sealed Exhibit]	*
OCC-PSI-00000312-314 [Sealed Exhibit]	*
OCC-PSI-00000315-320 [Sealed Exhibit]	*

REPORT DOCUMENT LOCATOR LIST

WALL STREET BANK INVOLVEMENT WITH PHYSICAL COMMODITIES

Bates Number or Document Description	Page Number
OCC-PSI-00000321-322 [Sealed Exhibit]	*
OCC-PSI-00000323 [Sealed Exhibit]	*
OCC-PSI-00000324 (Printed as Exhibit 95)	1699
OCC-PSI-00000336 (Printed as Exhibit 92)	1696
OCC-PSI-00000340 (Printed as Exhibit 94)	1698
OCC-PSI-00000342 [Sealed Exhibit]	*
OCC-PSI-00000343-345 [Sealed Exhibit]	*
OCC-PSI-00000344 (Printed as Exhibit 93)	1697
OCC-PSI-00000346 [Sealed Exhibit]	*
OCC-PSI-00000374 [Sealed Exhibit]	*
OCC-PSI-00000389-390	2758
PSI to SEC (March 11 2013)-000001-015	2760
PSI-AlumUsersGroup-01-000002-008	2775
PSI-AlumUsersGroup-01-000010-012 (Printed as Exhibit 34)	1068
PSI-Barclays-01-000001-004 (Attachment BARCLAYS-PSI-000001)	2782
PSI-Barclays-02-000001 [Sealed Exhibit]	*
PSI-CI-01-000001-003, 019-020, 025-028) (Printed as Exhibit 14)	945
PSI-Coalition-01-000013-018	2786
PSI-Coalition-01-000019-021 (Printed as Exhibit 63)	1502
PSI-DB-01-000001-003 [Sealed Exhibit]	*
PSI-DOE-01-000004-016 (Printed as Exhibit 45b)	1326
PSI-Emirates-01-000001-004 (Printed as Exhibit 54)	1406
PSI-Emirates-02-000001-007 (Printed as Exhibit 55)	1410
PSI-FederalReserve-01-000004-028 (Printed as Exhibit 56a)	1417
PSI-FederalReserve-01-000481-536	2792
PSI-FederalReserve-01-000553-558 (Printed as Exhibit 56b)	1442
PSI-FederalReserve-01-000561-567 (Printed as Exhibit 70a)	1548
PSI-FederalReserve-02-000012-033 (Printed as Exhibit 70b)	1555
PSI-FERC-02-000009-010 (Printed as Exhibit 76)	1605
PSI-FERC-02-000042 (Printed as Exhibit 77)	1607
PSI-FERC-02-000067 (Printed as Exhibit 78)	1608
PSI-FERC-02-000113-182 [Sealed Exhibit]	*
PSI-FRB-11-000001-002 (Printed as Exhibit 57)	1448
PSI-FRB-16-000001 (Printed as Exhibit 81)	1641
PSI-FRB-19-000012-017	2802

REPORT DOCUMENT LOCATOR LIST

WALL STREET BANK INVOLVEMENT WITH PHYSICAL COMMODITIES

Bates Number or Document Description	Page Number
PSI-FRB-19-000018-023	2808
PSI-FRB-19-000027-030	2814
PSI-FRB-20-000001-005	2818
PSI-FRB-20-000006-011	2823
PSI-FRB-20-000012-014	2829
PSI-FRB-21-000001-002 [Sealed Exhibit]	*
PSI-Glenmore-01-000001-003	2832
PSI-Goldman-10-000002	2835
PSI-Goldman-11-000001-011	2836
PSI-GoldmanSachs-06-000001-021 (Attachment, GSPSICOMMODS00000018-025) [Sealed Exhibit]	*
PSI-GoldmanSachs-09-000001-013 (Attachment, GSPSICOMMODS0004113-116)	2846
PSI-GoldmanSachs-15-000001 (Printed as Exhibit 39)	1233
PSI-GoldmanSachs-16-000001-006 (Attachment, GSPSICOMMODS00046240 Printed as Exhibit 11)	2861, 931
PSI-GoldmanSachs-17-000001 (Attachment GSPSICOMMODS000046225-226) (Printed as Exhibit 40)	1236
PSI-GoldmanSachs-17-000001-009 (Attachment GSPSICOMMODS000046225-226) [Full, unredacted document, Sealed Exhibit]	*
PSI-GoldmanSachs-19-000001-009 (Printed as Exhibit 18)	978
PSI-GoldmanSachs-20-000001-002 (Printed as Exhibit 21)	1000
PSI-GoldmanSachs-20-000001-005 (Full, unredacted document, Sealed Exhibit]	*
PSI-GoldmanSachs-21-000001-010 (Attachment, GSPSICOMMODS00046532-533) (Printed as Exhibit 12)	932
PSI-GoldmanSachs-22-000001-004 [Sealed Exhibit]	*
PSI-GoldmanSachs24-000001-004	2865
PSI-GoldmanSachs-25-000001-003 (Printed as Exhibit 19)	987
PSI-HarborAluminum-03-000004	2849
PSI-JPMC-11-000001-002 [Sealed Exhibit]	*
PSI-JPMorgan-12-000001-003 [Sealed Exhibit]	*
PSI-JPMorgan-15-000001 (Printed as Exhibit 91)	1693
PSI-JPMorgan-15-000001-008 (Printed as Exhibit 66)	1516
PSI-JPMorgan-16-000001 (Printed as Exhibit 82)	1642
PSI-JPMorgan-17-000001-002 (Printed as Exhibit 97)	1701
PSI-JPMorgan-18-000001-008 (Printed as Exhibit 83)	1643

REPORT DOCUMENT LOCATOR LIST

WALL STREET BANK INVOLVEMENT WITH PHYSICAL COMMODITIES

Bates Number or Document Description	Page Number
PSI-JPMorgan-19-000001-003 (Printed as Exhibit 98)	1703
PSI-JPMorgan-22-000001-004 [Sealed Exhibit]	*
PSI-JPMorgan-23-000001 (Printed as Exhibit 96)	1700
PSI-JPMorgan-23-000001-006 (Full, unredacted document, Sealed Exhibit]	*
PSI-JPMorgan-24-000001-002 [Sealed Exhibit]	*
PSI-JPMorganChase-06-000001-013	2895
PSI-JPMorganChase-14-000001-009 (Printed as Exhibit 65)	1507
PSI-KSFireMarRpt_Nov06-000001-012	2905
PSI-LME-03-000001-004	2917
PSI-LME-06-000001 (Printed as Exhibit 88)	1687
PSI-LME-06-000001-003 [Full, unredacted document, Sealed Exhibit]	*
PSI-MITS_to_LME_June2014-000001-003 [Sealed Exhibit]	*
PSI-MorganStanley-01-000001-027 (Printed as Exhibit 42)	1259
PSI-MorganStanley-02-000001-004	2921
PSI-MorganStanley-03-000001-006	2925
PSI-MorganStanley-04-000001-007 [Sealed Exhibit]	*
PSI-MorganStanley-05-000001-006 [Sealed Exhibit]	*
PSI-MorganStanley-06-000001-004 (Printed as Exhibit 50)	1389
PSI-MorganStanley-07-000001-034	2931
PSI-MorganStanley-08-000001-002 [Sealed Exhibit]	*
PSI-MorganStanley-13-000001-009 (Printed as Exhibit 47)	1364
PSI-MorganStanley-15-000001-004 (Printed as Exhibit 53)	1402
PSI-MorganStanley-17-000001-002 (Printed as Exhibit 49)	1387
PSI-MorganStanley-18-000001 [Sealed Exhibit]	*
PSI-MorganStanley-19-000001-003 (Printed as Exhibit 51)	1393
PSI-MorganStanley-22-000001-003	2941
PSI-MorganStanley-24-000001-004 [Sealed Exhibit]	*
PSI-MorganStanley-25-000001-008	2944
PSI-MorganStanley-26-000042-043	2950
PSI-Novelis-01-000001	2952
PSI-OCC-01-000011-012	2959
PSI-OCC-01-000026-028	2961
PSI-OCC-01-000043-044	2964
PSI-OCC-01-000046-061	2966
PSI-OCC-01-000100-106	2982

REPORT DOCUMENT LOCATOR LIST

WALL STREET BANK INVOLVEMENT WITH PHYSICAL COMMODITIES

Bates Number or Document Description	Page Number
PSI-OCC-01-000112-113 (Printed as Exhibit 84)	1651
PSI-OCC-01-000135-141 (Printed as Exhibit 85)	1653
PSI-OCC-01-000170-174	2989
PSI-OCC-01-000358-366	2994
PSI-OCC-01-000368-374	3003
PSI-OCC-01-000425-432	3010
PSI-OSD-01-000001 [Sealed Exhibit]	*
PSI-UnitedAirlines-01-000003, 013, 016, 020-022 (Printed as Exhibit 52)	1396
PSI-UnitedAirlines-01-000003-044 [Full, unredacted document, Sealed Exhibit]	*
PSI-USDOTIncidentRpt_Oct06-000001-003	3018
PSI-VandenbergFeliu_to_SEC(July2012)-000001-005 (Printed as Exhibit 87)	1682
OTHER MATERIALS	
Application of Wentworth Gas Marketing LLC for Long-Term Authorization to Export Compressed Natural Gas, submitted to the Department of Energy, Office of Fossil Energy, dated May 2014. (Printed as Exhibit 45a)	1307
Comment Letter from Senator Carl Levin to the Securities and Exchange Commission, dated, July 2012, re: JPM XF Physical Copper Trust Pursuant to NYSE Area Equities Rule 8.201. (Printed as Exhibit 86a)	1660
Comment Letter from Senator Carl Levin to the Securities and Exchange Commission, dated, March 2013, re: JPM XF Physical Copper Trust, Form S-1 Registration Statement. (Printed as Exhibit 86b)	1667
Letters and other communications received by the Subcommittee from Banks, Regulators and others, 2013-2014 [Sealed Exhibit]	*
In Re Make-Whole Payments and Related Bidding Strategies, FERC Docket Nos. IN11-8-000, IN13-5-000, Order Approving Stipulation and Consent Agreement, 7/30/1013).	3021
* Sealed Exhibits retained in the files of the Subcommittee.	

1221 Avenue of the Americas
New York, NY 10020

Morgan Stanley

CONFIDENTIAL TREATMENT REQUESTED

May 17, 2011

James Bergin, Esq.
Counsel and Assistant Vice President
Federal Reserve Bank of New York
33 Liberty Street
New York, NY 10045-0001

Dear Mr. Bergin:

This letter is in response to your email dated May [illegible], 2011 in which you requested Morgan Stanley's response to questions from Federal Reserve staff in connection with the Federal Reserve's analysis of Morgan Stanley's commodities activities under Section 4(o) of the Bank Holding Company Act. As noted during our conference call on May 3, 2011, this submission is limited to the provision of (a) information regarding total consolidated assets, revenues and profits for (i) Morgan Stanley and (ii) the Commodities Division and (b) additional information regarding Morgan Stanley's commodities activities in which it engaged as of September 30, 1997. As agreed, certain of the additional information requested in the email will be included in a subsequent submission. For ease of reference, the requests to which these responses relate are repeated below.

- ***The firm's total consolidated assets, revenues, and profits.***

Attached as Exhibit A is a copy of Morgan Stanley's Form 10-Q for the quarterly period ended March 31, [illegible], which presents Morgan Stanley's total consolidated assets, revenues and profits.

- ***The firm's total consolidated assets, revenues, and profits associated with its overall commodities activities.***

Attached as Exhibit B is (a) a Statement of Assets of the Commodities Division, which provides information regarding the Commodities Division's total assets (see column entitled "Commodities") and (b) the assets attributed to each desk within the Commodities Division as of March 31, 2011.

Please note that the assets have been calculated per desk, and not broken down according to the authority available to conduct the activities of such businesses. As such, these numbers cannot be used for calculating the 5% consolidated asset threshold provided for in Section 4(o)(2) of the Bank Holding Company Act. In particular, a portion consists of assets, such as cash settled commodities futures, options and over-the-counter derivatives, permitted to be held by a financial holding company under Section 4(k) of the Bank Holding Company Act without reliance on Section 4(o).

As noted in Exhibit B, balance sheet allocations below the Global Commodities level are not complete in all cases. For example, it currently is not feasible to allocate assets as between Oil Liquids and North American Power and Gas (i.e., reflected in the exhibit as "Elec/NGas NA") in the case of a counterparty that trades both oil and natural gas derivatives, the exposure of which are netted pursuant to a master netting agreement.

Attached as Exhibit C is a spreadsheet containing net revenues, expenses and profit before tax for the Commodities Division (see row entitled "Commodities"), as well as of those commodity sub-groups within that Division identified therein, for the years 2008, 2009 and 2010 and the first quarter of 2011.

As noted in Exhibit C, while revenues are reported by desk, certain expenses are not allocated to the individual desks, but rather are allocated to "Commodities Other". For example, an outside counsel invoice might reflect services that are attributable to Commodities as a whole and not to the activities of specific desks. In addition, historical expense allocations may be further limited by changes in reporting lines (e.g., desk hierarchy changes). For example, during the beginning of the reported period, Dry Freight reported into European Power & Gas, which included Asia Pacific activities as well (i.e., reflected in the exhibit as "AP EU Electric Natural Gas"). Even after Dry Freight was individually reported, many expenses attributable to it may have continued to be charged to European Power & Gas.

As noted previously, Morgan Stanley is unable to provide the detailed information relating to revenues, assets and profits in the approximately one dozen categories proposed by the Federal Reserve in its email dated May 2, 2011. Morgan Stanley's MIS does not currently track information in this manner. In our subsequent submission, Morgan Stanley will provide an estimate of assets associated with its commodities activities which are grandfathered under Section 4(o), but will provide these estimates by desk as opposed to by each of the dozen categories. In doing so, Morgan Stanley will allocate some assets to particular desks, while shared assets are allocated to multiple desks.

- ***The firm had previously provided a list of commodities activities it engaged in as of 9/30/1997. Has the firm identified other commodities activities it engaged in as of that date that should be added to the list?***

As a result of our ongoing research, we have been able to identify the following commodities activities in which Morgan Stanley engaged or held investments, directly or indirectly, on or prior to September 30, 1997, and which have not been previously provided to Federal Reserve staff in connection with the Federal Reserve's analysis of Morgan Stanley's commodities activities under Section 4(o) of the Bank Holding

Company Act. We have primarily considered investments held and activities engaged in on or about September 30, 1997, but have also listed, for completeness' sake, investments and activities we found evidence of during our extensive due diligence, and which fall in the period preceding September 30, 1997.

The information provided below is based on proprietary documents and publicly available resources we have thus far been able, through diligent efforts, to locate, including the research performed by numerous Morgan Stanley personnel, including individuals outside of Morgan Stanley's Commodities Division. While we are continuing our efforts to locate additional supportive documents, the passage of time and record retention policies make it unlikely that a significant number of other supportive documents are available. Please note that although every effort was made to ensure the accuracy of the information provided, there may be inaccuracies in the information which we believe would not be material. Finally, while we have made our best efforts to provide as complete and as accurate a response to your request for information regarding Morgan Stanley's commodities activities as of September 30, 1997, we may continue to supplement this submission to the extent that we subsequently become aware of other activities that are responsive to your request.

On or about September 30, 1997, Morgan Stanley engaged in the following activities and held the following investments in entities that owned commodities and/or underlying physical properties, not identified in any of Morgan Stanley's prior submissions in connection with the Federal Reserve's Section 4(o) analysis:

- From February 1990 to September 1998, Morgan Stanley had an investment in Agricultural Minerals and Chemicals Inc., which was a producer of both nitrogen fertilizer products and methanol and conducted its nitrogen operations through Agricultural Minerals Company, L.P., a majority-owned and publicly traded master limited partnership.

- From August 199[illegible] to October 2006, Morgan Stanley had an investment in Premium Standard Farms, Inc. ("PSF"), a commercial meat producer. PSF owned pork production operations, which included feed mills, hog barns, genetic engineering facilities, and processing and packaging plants.

- From December 1991 to September 1998, Morgan Stanley had an investment in Beaumont Methanol Corporation ("BMC"), a methanol producer. BMC operated the largest methanol production facility in the U.S.

- From April 1992 to October 2000, Morgan Stanley had an investment in Consolidated Hydro, Inc. ("CHI"), a hydroelectric power producer. According to publicly available information, CHI was principally engaged in the development, acquisition, operation, and management of hydroelectric power plants. As of June 30, 1996, 1995 and 1994, it had ownership interests in, leased and/or operated projects with a total operating capacity of 344, 379 and 329 megawatts, respectively. In November 1995, CHI established a subsidiary for the purpose of developing, acquiring, operating and managing industrial energy facilities and related industrial assets.

- From June 1992 to May 1998, Morgan Stanley had an investment in Interstate Natural Gas Company ("INGC"), a gas producer and transportation company which owned an interstate natural gas pipeline and related marketing facilities. INGC was acquired by Coho Energy, Inc. ("Coho Energy") in December 1994 in a transaction in which Morgan Stanley acquired an investment in Coho Energy, which was engaged in the development and production of, and exploration for crude oil and natural gas.

- From July 1994 to August 1998, Morgan Stanley had an investment in Highlands Gas Corporation ("HGC"), a gas gathering and processing company. HGC was engaged in natural gas gathering, processing, marketing and transportation as well as natural gas liquids transportation and marketing, and its assets included three gas processing plants, five gas gathering systems and transportation pipeline.

- From February 1995 to December 1998, Morgan Stanley had an investment in PT Ometraco Corporation ("Ometraco"), an Indonesian agribusiness entity. Ometraco held interests in agriculture, specifically livestock farming, animal feed, an integrated poultry farm and shrimp breeding, as well as pharmaceuticals, electrical equipment, and financial services.

- From March 1995 to October 1997, Morgan Stanley had an investment in Nordic Aluminum, Inc. ("NAI"), a Finnish aluminum products manufacturing company. NAI engaged in the design, production, marketing and supply of aluminum products and components for the electrotechnical, telecommunications, transportation, ship building, machine design and commercial construction industries.

Prior to September 30, 1997, and in some instances significantly earlier, Morgan Stanley also engaged in the following activities and held the following investments in entities that owned commodities and/or underlying physical properties not identified in any of Morgan Stanley's prior submissions in connection with the Federal Reserve's Section 4(o) analysis:

- From December 1992 to October 1993, Morgan Stanley had an investment in Tennessee Valley Steel Corporation ("TVC"), a steel rolling mill. TVC recycled scrap steel and produced steel billets and light structural steel.

- From July 1992 to January 1993, Morgan Stanley had an investment in Mountain Gas Resources, Inc. ("MGR"), a gas gathering and processing company. MGR engaged in sweet gas processing and recovery of natural gas liquids.

- From May 1992 to October 1995, Morgan Stanley had an investment in Stanklav Holdings, Inc., a Norwegian bulk carrier shipping company.

- In June 1984, Morgan Stanley, the New York law firm Akin, Gump, Strauss, Hauer & Feld ("Akin, Gump"), and Transco Energy Company ("Transco") formed Natural Gas Clearinghouse ("NGC") as a joint venture. In 1985, Morgan Stanley acquired sole ownership after it bought out Transco and Akin, Gump. NGC brokered and marketed natural gas and natural gas liquids. It also owned pipeline transportation and operations through a series of acquisitions of transmission, distribution, and processing infrastructure assets. In 1989, Morgan Stanley sold its interest in NGC.

- From July 1987 to May 1988, Morgan Stanley had an investment in Cain Chemical Inc., an entity which was formed to purchase two major ethylene production facilities and five ethylene-based processing plants.

- From October 1988 to September 1996, Morgan Stanley had an investment in Southern Pacific Rail Corporation, a railroad freight transporter. Southern Pacific Rail Corporation merged into the Union Pacific Railroad in 1996.

In addition to information previously provided to Federal Reserve staff, the above information further evidences the fact that Morgan Stanley was engaged in the ownership of interests in entities engaged in the sale, trading and investment of commodities and underlying physical properties related to various commodities on and prior to September 30, 1997. We note that Davis Polk & Wardwell LLP has previously submitted a letter on behalf of Morgan Stanley to the General Counsel of the Board of Governors of the Federal Reserve System in which it argued that the commodities and commodities-related activities exempted by Section 4(o) of the Bank Holding Company Act are not limited to the same types of activities that Morgan Stanley was engaged in as of September 30, 1997. We expect to submit a letter supplementing that original letter in the near future.

We request that this letter be accorded confidential treatment under the Freedom of Information Act, 5 U.S.C. § 552 ("FOIA"), the Federal Reserve's implementing regulations, 12 C.F.R. Part 261 and any other applicable law. The nature of the information contained herein is confidential, commercial or financial information that is confidential and exempt from disclosure under 5 U.S.C. § 552(b)(4) and 12 C.F.R. § 261.14(a)(4). In addition, this is provided as supervisory and examination information to a banking regulator, and it is exempt under exemption (b)(8) of the Freedom of Information Act, 5 U.S.C. § 552(b)(8) and 12 C.F.R. § 261.14(a)(8). Should the Federal Reserve receive a request for disclosure of this letter or otherwise make a determination to disclose its contents, we assert all applicable FOIA exceptions or other exemptions from disclosure, and we request advance notice and a reasonable opportunity to contest such disclosure to the full extent provided by law.

We trust this letter is responsive to certain portions of your May 2, 2011 request. As discussed in our May 3, 2011 conference call, on or before May 31, 2011 we expect to be able to supply data for those other portions of the May 2 request for which Morgan Stanley is in a position to aggregate information. As noted previously, Morgan Stanley will not be in a position to respond to every category of commodities activities contained in the May 2 request absent major changes to our management information systems. Should you have any additional questions about the information submitted with this letter, please contact me.

Sincerely,

James E. Scott

James E. Scott
Executive Director

1221 Avenue of the Americas
New York, NY 10020

Morgan Stanley

CONFIDENTIAL TREATMENT REQUESTED

July 8, 2010

James Bergin, Esq.
Counsel and Assistant Vice President
Federal Reserve Bank of New York
33 Liberty Street
New York, NY 10045-0001

Dear Mr. Bergin:

This letter is in response to your letter dated April 1, 2010, in which you requested information regarding "activities related to the trading, sale or investment in commodities and underlying physical properties" in which Morgan Stanley was engaged as of September 30, 1997. During the course of the Board's and the FRBNY staff's review of Morgan Stanley's commodities activities, Morgan Stanley provided information based upon public filings, interviews with employees who worked in the commodities group at the relevant time and available documents. Among the documents available at that time were Morgan Stanley's Form 10-K for the fiscal years ending November 30, 1996 and November 30, 1997 which showed that in 1996, Morgan Stanley was engaged in commodities activities substantially similar to those in which Morgan Stanley engaged in 1997 and in which Morgan Stanley has continued to engage in subsequent years. The information provided in this letter is based to a much greater extent on actual documents we have thus far been able, through diligent efforts, to locate. Where we were unable to locate files containing evidence that Morgan Stanley was engaged in a specific activity on September 30, 1997, we have included evidence of such activity from the first 9 months of 1997. While we are continuing our efforts to locate additional supportive documents, the passage of time and record retention policies make it unlikely that a significant number of other supportive documents are available. Based upon the recollections of employees who worked in the commodities group at the relevant time, Morgan Stanley engaged in activities (such as with respect to agricultural commodities) beyond those highlighted in this letter but, to date, we have been unable to locate documents from 1997.

Morgan Stanley was engaged in a variety of commodity derivative and physical commodity transactions with respect to crude oil and oil liquids, natural gas, electricity and other power and energy commodities and metals as of September 30, 1997, primarily through Morgan Stanley Capital Group Inc ("MSCGI") and Morgan Stanley & Co. International Limited ("MSIL"). The following description of Morgan Stanley's commodity activities and documentation evidencing such activities as of September 30, 1997 is organized by general commodity type: Crude Oil and Oil Liquids, Natural Gas, Electricity/Power and Metals (Precious and Base).

I. Crude Oil and Refined Products

Morgan Stanley has been trading as principal in crude oil since 1984 and in refined products since 1985. Over the past 25 years, Morgan Stanley has grown into one of the preeminent energy trading firms, serving an expansive cross-section of U.S. and foreign corporations, municipalities and others seeking to access these markets and as such, Morgan Stanley provides significant liquidity to these markets. Among the activities in crude oil and refined products in which Morgan Stanley engaged as of September 30, 1997 was trading and investing in physically-settled forward contracts, options, futures, options on futures and similar contracts, both over-the-counter and exchange-listed on crude oil, fuel oil, heating oil, unleaded gasoline, jet fuel, diesel fuel, bunker fuel, and residual fuel, among others. Morgan Stanley engaged in this activity in the United States on or about September 30, 1997. Documents evidencing this activity include, without limitation,

- 1995-1997 Morgan Stanley/Global Petroleum Corp Sales Agreement for the sale of Heating Oil and Diesel. Initial Term ended Apr 30, 1997. This agreement was renewed and extended twice for successive periods through June 30, 2000.

- Morgan Stanley Gross Receipts reports showing numerous purchases of 6,925,054 barrels and sales of 7,000,871 barrels of heating oil, gasoline, marine diesel oil, and low sulfur diesel in Connecticut, Massachusetts, New Jersey and New York in September 1997 with over two dozen counterparties. Similar reports for purchases and sales of fuel oil – 86 (heating oil), low sulfur diesel and regular unleaded conventional gasoline in Georgia, Louisiana, Maryland, Mississippi, North Carolina, Pennsylvania, Texas and Virginia.

- NJ Division of Taxation Motor Fuel Tax Storage Facility Operator Report for September 1997 reflecting the receipts and disbursements of gasoline in the amount of 630,704.43 barrels and heating oil in the amount of 4,384,637 barrels (received) and 4,411,082 barrels (disbursed).

- NJ Division of Taxation Petroleum Products Gross Receipts Tax Return for the third quarter 1997, reflecting the following sales of petroleum products in September 1997: 4,356,177 barrels of heating oil, 301,015 barrels of low sulfur diesel, and 504,036 barrels of unleaded gasoline.

- NYS Dept. of Taxation and Finance Petroleum Business Tax Return Form PT-100 for September 1997, and Report of Sales Tax Prepayment on Motor Fuel/Diesel Motor Fuel Form FT-945/1045, collectively showing an end-of-the-month diesel inventory of 951,522 barrels, as well as the purchase of 100,196 barrels of diesel from Hess Energy Trading, and the following diesel sales: 30 September, 24,997 barrels to Northville; 28 September, 49,746 barrels to Louis Dreyfus and 32,000 barrels to Castle; 27 September, 21,053 barrels to Castle and 54,694 barrels to Koch; 25 September, 6,068 barrels to Koch; 16 September, 5,000 barrels to Phibro; 11 September, 56,000 barrels to Societe Generale; 9 September, 23,584 barrels to Koch; 7 September, 24,998 barrels to Phibro; various dates in September, 109,000 barrels to Mobil Oil.

- Texas Fuels Tax Reports for September 1997, showing (1) purchases of gasoline in the amount of 5,699,728 barrels from approximately 48 customers, and sales of gasoline in the same amount to approximately 42 customers, and (2) purchases of heating oil and low sulfur diesel in the amount of 1,82[illegible],050 barrels from approximately 33 customers, and sales of gasoline in the same amount to approximately 25 customers.

- Louisiana Sales Tax Return, Dept. of Revenue and Taxation Form 4207, for the third quarter 1997, reflecting September 1997 sales of Louisiana light sweet crude oil in the amount of 390,000 barrels.

In connection with, and incidental to, the trading and sale of crude oil and refined products, Morgan Stanley leased storage facilities from third parties to enable Morgan Stanley to make and take delivery of crude oil and refined products it purchased from and sold to its customers. Morgan Stanley engaged in this activity in the United States on or about September 30, 1997. Documents evidencing this activity include, without limitation,

- IMTT-Bayonne Oil Storage Agreement of General Conditions, originally executed in May 1994, and extended each year continuously through September 30, 1997 and thereafter.

- Terminal Throughput Agreement between Wyatt, Incorporated, and Wyco New Haven, Inc. and MSCGI, dated April 18, 1997, for the storage of heating oil. The initial term of this agreement was from May 1, 1997 through April 30, 2000.

- Terminaling Agreement, dated June 30, 1997, between Global Petroleum Corp. and MSCG, for #2 heating oil, low sulfur diesel and kerosene. The term of this agreement was from July 1, 1997 through December 31, 1997.

- NJ Division of Taxation Motor Fuel Tax Storage Facility Operator Report for September 1997 reflecting heating oil inventories of 1,970,381 barrels on September 30, 1997.

- NYS Dept. of Taxation and Finance Petroleum Business Tax Return Form PT-100 for September 1997, and Report of Sales Tax Prepayment on Motor Fuel/Diesel Motor Fuel Form FT-945/1045, collectively showing an end-of-the-month diesel inventory of 951,522 barrels.

Morgan Stanley also engaged facilities owned and operated by third parties to process, refine, blend or otherwise alter crude oil into refined products for Morgan Stanley. This activity is related to the trading and sale of commodities in that it gives Morgan Stanley the option to blend refined products it has purchased into different grades or specifications of refined products; it provides Morgan Stanley with additional source of supply with which to fulfill customer's requests. Morgan Stanley engaged in this activity in the United States on or about September 30, 1997. Documents evidencing this activity include, without limitation,

- Terminal Throughput Agreement between Wyatt, Incorporated, and Wyco New Haven, Inc. and MSCGI, dated April 18, 1997, for the storage of heating oil. The initial term of this agreement was from May 1, 1997 through April 30, 2000. Section 8.2 of this agreement authorizes the terminal operator to blend Morgan Stanley's product with other products or materials in order to change the specifications of such product without liability for damage or loss to product, provided such blending is performed pursuant to and at the instruction of Morgan Stanley.

In addition to engaging storage facilities, Morgan Stanley engaged third party pipelines to transport Morgan Stanley's crude oil and refined products. This activity is related to trading and sale of commodities in that it provides a mechanism for transferring crude oil and refined products to and from Morgan Stanley's customers. Morgan Stanley engaged in this activity in the United States on or about September 30, 1997. Documents evidencing this activity include, without limitation,

- Invoices to Mobil Oil Corporation, with copies of Colonial Pipeline Company Meter Tickets, regarding the following pipeline deliveries of low sulfur diesel in September 1997: 20 September, 48,998 barrels; 17 September, 50,001 barrels; 1[illegible] September, 10,001 barrels.

- Maryland Oil Transfer License Fee Report for the third quarter 1997. Report shows that in September 1997, MSCGI transferred 48,940 barrels of low sulfur diesel and 12,405 barrels of heating oil into Maryland by pipeline.

- Invoices issued by Teppco Crude Pipeline, LLC for pipeline shipments of 1[illegible],635,471 barrels of crude oil at Cushing and Midland stations during the first quarter of 1997.

In addition to hiring third party pipelines to transport Morgan Stanley's crude oil and refined products, Morgan Stanley also chartered vessels to transport crude oil and refined products. This activity is related to trading and sale of commodities in that it provides a mechanism for transferring crude oil and refined products to and from Morgan Stanley's customers. Morgan Stanley engaged in this activity in the United States on or about September 30, 1997. Documents evidencing this activity include, without limitation,

- U.S. Department of Treasury Harbor Maintenance Fee Quarterly Summary Report for the third quarter of 1997, reflecting total volumes of products, such as gasoline, heating oil, and low sulfur diesel moved from one state to another by ship.

- Internal Audit Report with audit date of January 1, 1997 with the Revenue Offset Schedule reflecting fees for transport and demurrage and the Trader PnL and Position Report reflecting barge charges and fees for cargoes.

II. Natural Gas

Morgan Stanley has been trading as principal in natural gas since 1989, servicing our customers' natural gas requirements, providing liquidity to the market and, more recently, as demand for natural gas has increasingly exceeded production, Morgan Stanley has been trading as principal in liquefied natural gas. Among the activities in natural gas in which Morgan Stanley engaged as of September 30, 1997 was trading and investing in physically-settled forward contracts, options, futures, options on futures and similar contracts, both over-the-counter and exchange-listed on natural gas. Morgan Stanley engaged in this activity in the United States on or about September 30, 1997. Documents evidencing this activity include, without limitation,

- In the Matter of: Olympic Natural Gas Co., 294 F. 3d 737 (5th Cir. 2002), a bankruptcy case involving a series of sales by MSCGI to Olympic Natural Gas from January to May 1997 pursuant to a natural gas sales and purchase contract entered into in 199[illegible].

- Numerous master agreements with a variety of market participants including exploration and production companies, federal government agencies, regulated utilities, municipally-owned utilities, and other marketers (*see, e.g.*, Pro Forma Interruptible Gas Purchase and Sales Agreement between Consolidated Edison Company of New York, Inc. and Morgan Stanley Capital Group Inc., dated December 13, 1990; Natural Gas Sale and Purchase Contract between PanEnergy Gas Services, Inc. and Morgan Stanley Capital Group Inc., dated as of January 1, 1996.

- Internal Audit Report with audit date of January 1, 1997 detailing P&L, mark-to-market and other entries for the purchase and sale of physical natural gas.

In connection with, and incidental to, the trading and sale of natural gas, Morgan Stanley leased storage facilities from third parties to enable Morgan Stanley to make and take delivery of natural gas it purchased from and sold to its customers. Morgan Stanley engaged in this activity in the United States on or about September 30, 1997. Documents evidencing this activity include, without limitation,

- Internal Audit Report with audit date of January 1, 1997 reflecting mark-to-market and P&L for natural gas storage at Southern California Gas Company's storage facilities.

The above documents evidence the fact that Morgan Stanley was engaged in the leasing of storage facilities of natural gas prior to September 30, 1997. There is no evidence that this activity was discontinued.

In addition to engaging storage facilities, Morgan Stanley engaged third party pipelines to transport Morgan Stanley's natural gas. This activity is related to trading and sale of commodities in that it provides a mechanism for transferring natural gas to and from Morgan Stanley's customers. Morgan Stanley engaged in this activity in the United States on September 30, 1997. Documents evidencing this activity include, without limitation,

- As of September 30, 1997, MSCGI had outstanding numerous agreements to acquire and hold rights to transport physical natural gas with various gas pipeline operators (*see, e.g.*, Authorized Imbalance Service Agreement between Pacific Gas Transmission Company and Morgan Stanley Capital Group Inc., dated August 27, 1996).

III. Electricity/Power

Morgan Stanley has been a major participant in the electricity and power markets, obtaining authorization to make wholesale power sales at market-based rates in 1994. We have provided liquidity to a market that includes federal government agencies, utilities (municipal and regulated) and independent power producers. To address our customers' expanding needs, we provide ancillary services including energy management services and energy scheduling services. Among the activities in electricity and power in which Morgan Stanley engaged as of September 30, 1997 was trading and investing in electrical power and contracts for power including, without limitation,

- Physical spot next-day transactions (real time trading and scheduling)
- Physical forward transactions (fixed price and floating price (based on an index))
- Pooled markets (e.g., PJM, NEPOOL, NYISO, MISO, CAISO, including congestion trading)
- Non-pooled markets
- Physically settled options (e.g., heat-rate options)
- Physically-settled futures

Morgan Stanley engaged in this activity in the United States on or about September 30, 1997. Documents evidencing this activity include, without limitation,

- 1994 authorization from the Federal Energy Regulatory Commission ("FERC") to make wholesale power sales at market based rates remained in effect continuously through September 30, 1997 and the present (Morgan Stanley Capital Group Inc., 69 FERC ¶61,164 (1994)).

- 3rd Qtr 1997 FERC Electric Quarterly Report, which summarizes the contractual terms and conditions for MSCGI's market-based power sales, showing the purchase of 4,247,522 MWh of physical power and sale of 4,210,087 MWh of physical power.

- Numerous master agreements with a variety of market participants including federal government agencies, regulated utilities, municipally owned utilities, independent power producers, and other marketers (*see, e.g.*, Capacity Agreement between Kansas City Power & Light Company and Morgan Stanley Capital Group Inc., dated February 13, 199[illegible], Master Power Purchase and Sale Agreement between Enron Power Marketing, Inc. and Morgan Stanley Capital Group Inc., dated as of July 1, 1997).

In connection with, and incidental to, Morgan Stanley's trading and sales activities in electricity and power, Morgan Stanley engaged in energy management services (e.g., load optimization) to enable Morgan Stanley to apply its expertise in the electricity markets to assist its utility customers meet their obligations to their customers. Morgan Stanley engaged in this activity in the United States on or about September 30, 1997. Documents evidencing this activity include, without limitation,

- Power Purchase and Sale Agreement between Morgan Stanley Capital Group Inc. and Oglethorpe Power Corporation, dated as of April 7, 1997. Under this agreement with an electric membership corporation ("EMC"), MSCGI was required to sell power and perform certain additional services, including the evaluation of the EMC's contractual rights to call on generation in connection with optimizing the exercise of such rights to meet such EMC's obligation to serve its customers. Pursuant to this agreement, MSCGI was obligated to deliver a total of 30,525 MWh to the EMCs on each calendar day of September [illegible], including September 30, 1997.

Morgan Stanley also engaged third party electricity transmission facilities. Rights to transmission is a crucial element to electricity trading in that it enabled Morgan Stanley to move electricity between generation points to satisfy its customers' power requirements. Morgan Stanley engaged in this activity in the United States on September 30, 1997. Documents evidencing this activity include, without limitation,

- Outstanding numerous agreements to acquire and hold rights to transmit physical power with various transmission facility owners (*see, e.g.*, Service Agreement for Non-Firm Point-to-Point Transmission Service between Southern Companies and Morgan Stanley Capital Group Inc., dated as of August 28, 1996).

The above documents evidence the fact that Morgan Stanley was engaged in the transmission of power through third party transmission facilities prior to September 30, 1997. There is no evidence that this activity was discontinued.

IV. Metals (Precious and Base)

Morgan Stanley has been an active participant in the precious metals market since 1982 and the base metals market since 1993. In addition to trading precious metals that were permissible for bank holding companies to trade as of September 30, 1997, Morgan Stanley also was trading and investing in physically-settled, over-the-counter spot contracts, forward contracts, and option contracts on rhodium to help satisfy its customers' raw material needs. Morgan Stanley also established accounts with depositories to hold Morgan Stanley's inventory. Morgan Stanley engaged in this activity in the United States on September 30, 1997. Documents evidencing this activity include, without limitation,

- Marine Transit Insurance Report and Morgan Stanley invoices reflecting the following deliveries of rhodium during 1997 to Morgan Stanley's custodial account at Johnson Matthey in Pennsylvania: 2[illegible] July, delivery of 5,000 troy ounces by Brooks Armored Car Service, Inc. from Wilmington Trust, DE; 12 June, delivery of 5,000.365 troy ounces by Brooks Armored Car Service, Inc. from Wilmington Trust, DE (also supported by an invoice issued by Brooks); 23 May, delivery of 1,8[illegible].506 troy ounces by Brinks from Union Miniere, NJ; 2 May, delivery of 2,500.000 troy ounces by Brinks from Chase Manhattan Bank, NY.

- Internal Audit Report with audit date of January 1, 1997 reflecting positions in rhodium forwards with customers, including, without limitation, the following forward transactions with General Motors where Morgan Stanley sold the Forward Quantity on the Start Date and was obligated to purchase the Forward Quantity on the End Date:

Start Date	End Date	Forward Quantity (ozs)
04 May 1995	15 Jan 1998	250
04 Aug 1995	16 Mar 1998	500
2[illegible] Aug 1995	03 Apr 1998	500
20 Nov 1995	22 Jul 1998	500
20 Nov 1995	14 Aug 1998	500
20 Nov 1995	15 Sep 1998	500
20 Nov 1995	15 Oct 1998	500
20 Nov 1995	16 Nov 1998	500
20 Nov 1995	15 Dec 1998	500

- Internal Audit Report with audit date of January 1, 1997 reflecting mark-to-market and P&L for physical trading of rhodium and 8 global delivery locations at which Morgan Stanley held the rhodium including facilities in New Jersey and Pennsylvania.

In addition to the trading, sale and storage of rhodium and other precious metals, Morgan Stanley was also trading and investing in physically-settled forward contracts, options, futures, options on futures and similar contracts, both over-the-counter and exchange-listed on base metals, such as aluminum, zinc, and nickel to help satisfy its customers' raw material needs. Morgan Stanley also established accounts with depositories to hold Morgan Stanley's inventory. Morgan Stanley engaged in this activity outside the United States on September 30, 1997. Documents evidencing this activity include, without limitation,

- MSIL Goods Inwards Report dated 19 February 1997 reflecting that MSIL held 15 warrants of aluminum at a Liverpool, UK warehouse as of that date.
- MSIL Goods Inwards Report dated 12 February 1997 reflecting that MSIL held 34 warrants of zinc at a Trieste, Italy warehouse as of that date.
- MSIL Goods Inwards Report dated 4 February 1997 reflecting that MSIL held 15 warrants of nickel at a Rotterdam, The Netherlands warehouse as of that date.

The above documents evidence the fact that Morgan Stanley was engaged in the trading, sale and storage of base metals prior to September 30, 1997. There is no evidence that this activity was discontinued.

As the above descriptions clearly illustrate, Morgan Stanley has been a leader in commodity activities for over 25 years. As new markets have developed and customers' requirements have changed, we have adapted as well so that we continue to maintain our leadership position in the new markets and commodities. As sugar trading in Latin America grew, we were there for our customers who needed access to this market. As demand for natural gas increased while production decreased, we began trading liquefied natural gas, which activity will grow as that market and customer demand grows. In response to the wide-spread call for decreasing our dependence on fossil fuels and developing renewable energy sources, we have built an important emissions and renewable energy credits trading capability. To further meet the public policy goal of federal and state governments to encourage the production of renewable energy, we have developed solar energy programs that, though joint ventures, design, install and finance solar photovoltaic systems on sites owned by municipalities, schools, non-profit organizations and on low- and middle-income housing and then sell to such entities the power produced by such photovoltaic systems.

The continued viability of any commodities business depends on the ability to adapt and engage in activities with respect to new commodities and to provide additional services that customers demand. Limiting permissible commodities activities to those performed on any static date will stifle innovation, reduce the ability to provide products and services to those that require them and remove significant providers of financing and liquidity from any new market.

We request that this letter be accorded confidential treatment under the Freedom of Information Act, 5 U.S.C. § 552 ("FOIA") and the Federal Reserve's implementing regulations, 12 C.F.R. Part 261, Although the existence of and the identities of the customers with respect to, the various agreements listed as examples of Morgan Stanley's commodity-related activities in 1997 would generally be stale information that is no longer commercially sensitive, some agreements listed in this letter expressly provide for confidentiality, and Morgan Stanley is not able to consent to disclosure without discussions with the customer. In addition, the information of specific activities conducted in 1997 is itself confidential to the extent that it may be directly relevant to the Board's consideration of the scope of Morgan Stanley's permissible commodities activities. The nature of the activities conducted by reference to these agreements is confidential, commercial or financial information that is confidential and exempt from disclosure under 5 U.S.C. § 552(b)(4) and 12 C.F.R. § 261.14(a)(4). In addition, this is provided as supervisory and examination information to a banking regulator, and it is exempt under exemption (b)(8) of the Freedom of Information Act, 5 U.S.C. § 552(b)(8). Should the Federal Reserve receive a request for disclosure of this letter or otherwise make a determination to disclose its contents, we request advance notice and a reasonable opportunity to contest such disclosure to the full extent provided by law.

We trust this letter is responsive to your request. We would be happy to provide any of the documents mentioned herein upon your request. Should you have any additional questions about this, please contact me.

Yours truly

James E Scott

James E. Scott
Executive Director

cc: Christopher M. Paridon, Esq.
Benjamin W. McDonough, Esq.
Board of Governors of the Federal Reserve System

CONFIDENTIAL EXHIBIT A
Confidential Treatment Requested

Morgan Stanley

Responses to Permissibility Analysis on Commodities Activities Follow-up
Dated May 15, 2009

1. ***Please indicate whether Morgan Stanley engaged in a specified activity as of September 30, 1997, or began to engage in that activity afterwards.***

Morgan Stanley was engaged in a broad range of commodities activities as of September 30, 1997 in the United States. We have prepared as complete and accurate a list as possible of the commodities activities that Morgan Stanley was engaged in as of or prior to September 30, 1997 in the United States based on public filings, interviews with employees who worked in the commodities group at the time, and documents that are available from that period. However, because many of the documents from that period are no longer available, and many of the employees have since left the Firm, Morgan Stanley may have been engaged in other commodities activities that we have not been able to include in the list below.

We continue to believe, however, based on advice from our counsel, Davis Polk & Wardwell, that it is not necessary to show that Morgan Stanley engaged in any particular commodities activity as of September 30, 1997 in order to continue to engage in that activity pursuant to Section 4(o) of the Bank Holding Company Act of 1956 (the "**BHC Act**"). *See* Letter dated March 25, 2009 from Randall Guynn to Scott Alvarez, a copy of which has been provided to you. Section 4(o) expressly authorizes Morgan Stanley to "continue to engage in, or directly or indirectly own or control shares of a company engaged in, activities related to the trading, sale, or investment in commodities and underlying physical properties," provided that certain conditions are satisfied, including that Morgan Stanley "lawfully was engaged, directly or indirectly, in any of such activities as of September 30, 1997, in the United States." (Emphasis added.) Thus, if Morgan Stanley can show that it was lawfully engaged in a single commodities activity as of September 30, 1997 in the United States, then Section 4(o) authorizes it to continue all of its commodities activities provided that the other conditions of Section 4(o) are satisfied.

The list below demonstrates that Morgan Stanley was lawfully engaged in substantially more than one commodities activity in the United States as of September 30, 1997. We also believe that we satisfy the other conditions of Section 4(o).

Those activities consisted of trading and investing in spot contracts, forward contracts, options, futures, options on futures and similar contracts, both over-the-counter and exchange-listed (including, but not limited to, NYMEX and predecessor exchanges of ICE Futures (NY)), where the contracts were physically-settled, with respect to the following commodities:

- Crude oil, diesel fuel, heating oil, unleaded gasoline and jet fuel, as determined based upon interviews of employees and as further evidenced by the following facts occurring in and prior to 1997: (1) Morgan Stanley held 27 motor fuel, gasoline or similar distributor licenses from various U.S. states and the District of Columbia; (2) Morgan Stanley paid harbor maintenance fees to U.S. Customs for heating oil and low sulfur diesel shipped to storage facilities in New York, New Jersey and Connecticut leased by Morgan Stanley pursuant to storage or throughput agreements; (3) Morgan Stanley paid federal excise taxes for sales of gasoline and diesel at the rack at the leased facility in New Haven, Connecticut; and (4) Morgan Stanley entered into a long term sales agreement with Global Petroleum Corp. which involved a profit-sharing arrangement with respect to sales by Morgan Stanley of heating oil and diesel fuel to Global from the storage facilities in Connecticut leased by Morgan Stanley, which in turn was resold by Global to its customers.

- Natural gas, determined based upon interviews of employees and as further evidenced by the fact that Morgan Stanley entered into numerous agreements such as a Natural Gas Sales and Purchase Contract with GM Hydrocarbons, Ltd., which later assigned its interest in the contract to Olympic Natural Gas Co. and Olympic Gas Marketing, Inc. In a subsequent Court trial between Morgan Stanley and Olympic Natural Gas Co., the Court concluded that Morgan Stanley was a "forward contract merchant," and that the transactions between the parties were in fact "forward contracts" (*see Olympic Natural Gas Co. v. Morgan Stanley Capital Group Inc.*, 294 F.3d 737 (5th Cir. 2002)). In addition, Morgan Stanley identified itself as "an active participant in the natural gas industry as a purchaser and seller of natural gas contracts" in a letter to Gas Industry Standards Board, dated March 15, 1996, providing comments on the GISB's proposed business standard for the "Base Contract For Short-Term Sale and Purchase of Natural Gas."

- Electricity, determined based upon interviews with employees and as further evidenced by a market-based rate authorization for wholesale sales of electric energy, capacity and ancillary services (sometimes referred to as the "**Power Marketing License**") issued by the Federal Energy Regulatory Commission ("**FERC**") in 1994, and by numerous agreements such as the Power Purchase and Sale Agreement between Morgan Stanley Capital Group Inc. and Oglethorpe Power Corporation (an Electric Membership Corporation) dated as of April 7, 1997. In order to satisfy Morgan Stanley's obligations under the Oglethorpe agreement, Morgan Stanley entered into power transmission agreements in the Southeast.

- Coal, base metals and rhodium, and freight in the form of time charters, each determined based upon interviews with employees.

Moreover, Morgan Stanley, Dean Witter, Discover & Co.'s annual report on Form 10-K for the fiscal year ended November 30, 1997, stated that Morgan Stanley also engaged in the following commodities activities:

- marketing and trading as principal and maintaining proprietary trading positions in spot, forward and futures markets in other commodities, including base and precious metals, crude oil and related energy products;
- an electricity power marketer;
- a market maker in exchange-traded options and futures contracts and OTC options and swaps on commodities such as metals, crude oil, oil products, natural gas and electricity; and
- offering hedging programs to producers and customers, as well as reserve/inventory management.

2. ***Please indicate clearly any of Morgan Stanley's commodities-related activities that are retail or retail-oriented, and the entities that engage in those activities. Within this, please indicate whether those retail or retail-oriented activities are engaged in within or without the U.S.***

Set forth below is a description of Morgan Stanley's retail commodities activities, along with whether they are engaged in within or outside the U.S. We note, however, that we do not believe that Section 4(o) of the BHC Act is limited to non-retail commodities activities, but instead extends to both retail and wholesale commodities activities, if they are conducted in a safe and sound manner.

The following commodities activities in the chart submitted on April 14, 2009 involve "retail" customers or could potentially be viewed as "retail-oriented":

(A) Ownership of gas stations

Both Delek and Olco operate retail gas stations. Gas stations typically also sell other services and merchandise to retail customers, such as auto repair and washing and convenience store products, such as snacks and newspapers. The gas stations of Olco are exclusively located in the Quebec and Ontario provinces of Canada. The gas stations of Delek, which Morgan Stanley holds under authorities other than 4(o) BHC Act (see chart submitted on April 14, 2009), are located in the United States. As mentioned during the meeting on April 14, 2009, Morgan Stanley is planning to sell Olco's gas station operations, but has not found a buyer yet. Olco carries business, automobile, commercial general liability, pollution and property insurance and Delek carries property, business interruption, pollution and casualty insurance.

(B) Solar power activities

Morgan Stanley, through subsidiaries and joint ventures, is engaged in several solar power generation projects in the United States (in addition to Morgan Stanley, several national banks engage in renewable energy activities, including investing in solar power generation projects). All solar power projects are designed to meet the public policy goal of the federal government to encourage the production of renewable energy. Historically, the government has furthered those goals through income tax subsidies, including production tax credits under section 45 of the Internal Revenue Code (the "**Code**"), investment tax credits under section 48 of the Code, accelerated depreciation, and bonus depreciation deductions. The government has recently reaffirmed this policy through various provisions of the American Reinvestment and Recovery Act of 2009, signed into law on February 17, 2009, including an extension of the production tax credit, an option to elect a cash grant in lieu of tax credits, an additional $6 billion in loan guarantees for renewable energy technologies, and appropriations and grants for upgrades to the electrical grid. In addition to tax credits, participants in the renewable energy markets strive to earn renewable energy credits, also known as renewable energy certificates or "RECs." In some cases, projects are profitable for participating institutions based on generated tax credits and RECs alone.

In addition, various state governments have created incentive programs which provide funds for the installation and operation of solar generation facilities. In particular, the State of California has developed the California Solar Initiative, a multi-billion dollar incentive program which supports the operators of solar photovoltaic systems. This program, which is managed by the privately owned utility companies of California, provides incentive payments based on the nameplate kWh of electricity produced by eligible photovoltaic solar assets. Other states, such as Colorado and New Jersey, have developed similar programs under which payments are made to the owners of photovoltaic solar assets for the installation and operation of these assets.

In addition to projects that involve the installation of solar panels and the provision of solar-generated power to municipalities and corporations, Morgan Stanley engages in projects that involve retail end-users as the beneficiaries of solar power. Because of the tax credits, grants, rebates and RECs generated, solar power is generally passed on to these individuals for free indefinitely, for free for a stated period, and/or at a discount to the rates charged by local utilities. Assuming such activities can be viewed as "retail-related" at all, the following factors describe Morgan Stanley's role in such projects, and risk considerations that may be of relevance:

(i) *Solar photovoltaic tax credits investment program*

Since 2007, Morgan Stanley, through its subsidiaries *MS Solar I, LLC* and *MS Greenrock LLC*, has invested in 18.6MW of photovoltaic solar projects throughout the United States, primarily in California and Arizona. Two-thirds of Morgan Stanley's portfolio consists of investments by 100% Morgan Stanley-owned project corporations ("**ProjectCo**") in projects developed by leading solar photovoltaic developers that generate revenues based upon solar generation activity, primarily by selling electricity to an off-taker pursuant to a power purchase agreement ("**PPA**"). Depending on the specific characteristics of individual transactions, ProjectCo may generate additional revenue from the sale of RECs and from the receipt of state incentive payments. These "direct investments" are located on the rooftops of Wal-Mart stores in Southern California, on the Fort Carson Army Base in Colorado, and other commercial buildings and are non-retail.

The remaining 6.2MW consist of investments held through limited liability companies in which the minority and majority investment's ownership interests invert after a number of years, and that are located in California, Arizona and Oregon at commercial facilities, schools and churches as well as on residential rooftops under SolarCity's SolarLease program. The latter could be described as "retail." At the outset, Morgan Stanley owns 95% or 99% at the level of a "HoldCo" owning multiple project companies, and earns a priority return on the underlying assets. Solar project developers retain a minority stake and an opportunity to maintain a long-term economic interest in the projects. At no time does a Morgan Stanley entity exercise management or operational control over project corporations.

(ii) *Low income housing solar projects*

Under a recently initiated program, a Morgan Stanley-owned project company, *Solar Access CA, L.L.C*, purchases solar power systems for installation on low income housing in California. The marketing and project management force is comprised of a network of not-for-profit organizations that work with state governments to upgrade the energy efficiency of low income housing (caulking windows, installing insulation, etc.). The installation workforce includes personnel from the local community who are part of a green job creation initiative. The Morgan Stanley project company pays the costs for the training and supervision of the installation workforce by trained solar power system installers and for the associated electrical work. The homeowner has to consent to participate in the program and grant easements to the project company for installation of the solar panels. As owner of the solar power system, the Morgan Stanley project company receives the solar rebates and grants offered by the government and the RECs generated from the power production thereafter. The homeowner receives 100% of the solar-generated electricity at no charge from the Morgan Stanley project company. Moreover, the homeowner may obtain much of its utility-provided electricity for free through a process called "net metering" which works as follows. The solar power system installed purposefully generates more power than is required by the homeowner during the course of the day. The excess power goes out on the grid and, when it does, the homeowner's electric meter runs backward, generating credits that can be used on future purchases of power. These credits will be used on power consumed when the solar power system is not generating power, such as during the night.

(iii) *New construction housing solar projects*

Morgan Stanley and Lennar, a national home construction company operating across the U.S., are negotiating a strategic alliance to install solar power systems on new construction to be built initially in California, with the expectation that installations will expand to Colorado, New Jersey and other U.S. jurisdictions with acceptable solar incentives. If the terms of the alliance remain as currently contemplated, Morgan Stanley and Lennar would jointly own a new project company, in which Morgan Stanley would retain the controlling interest. The new project company would purchase the modules for installation on Lennar's new construction. Lennar would agree to install the systems on its new construction. In addition, Lennar intends to market the program to other large production builders. The modules would be installed by professional installers who carry their own insurance. The new project company would also carry property and liability insurance. The program is designed so that homeowners would enter into a long term (25 years) PPA with the new project company. Under the PPA, the new project company would own the solar power system and the homeowner would get the first five years of solar-generated electricity for free (in addition to the net metering process described in (ii) above). For years 6-25, the homeowner would pay a flat, fixed rate to the new project company, which is anticipated to be at a discount to the retail rate homeowners would otherwise pay to the utility. The new project company would receive the solar rebates and grants offered by the government and the RECs generated from the power production along with profits from electricity sales thereafter. In the few instances where homeowners wish to own the solar systems outright, the program, as currently discussed, would allow them to do so.

All projects, including the residential projects described above, are and will be fully insured in accordance with industry norms. Because of the operating nature of these photovoltaic projects, each project bears the risk that its photovoltaic assets will fail to perform at the expected production level. The risks associated with these projects are mitigated by (x) relative simplicity of the system and installation (which, in the case of the residential projects, requires 1-2 days) and ease of maintenance, (y) the extensive operating history and durability of photovoltaic solar technology, and (z) either verification of system performance by independent engineering consultants or monitoring of system performance by web-based metering. Further, various warranties from the solar equipment manufacturers and installers guarantee the performance of assets.

Since off-takers in retail solar partnership projects and new construction housing solar projects would be obligated to purchase power under the terms of a long-term PPA, the transactions individually bear a degree of credit risk, mitigated however by the following: (x) a large portion of the Firm's returns will be preserved (*i.e.* none of the Federal Tax Grants and other investment incentives will be recaptured and full benefit of depreciation will continue to accrue), (y) the ownership of the asset will remain with the Morgan Stanley entity, which may remove the asset and reinstall it elsewhere, and (z) diversification across multiple offtakers within the program.

The liability for construction flaws rests exclusively with the developers and various parties that were involved in the construction of the assets or operate or manage the assets going forward, but not Morgan Stanley. The liability during the installation of residential systems for construction flaws rests exclusively with the equipment providers and installers of the assets.

(C) Delivery of heat to households

Agri.capital, which Morgan Stanley holds under authorities other than 4(o) of the BHC Act (see chart submitted on April 14, 2009), provides, among other activities, heat to homes (see detailed description of the activities of Agri.capital under question 5 below). Morgan Stanley has a limited investment in Agri.capital and any loss would be limited to the value of the investment, estimated at approximately $6.5 million. Given Morgan Stanley's limited interest, Morgan Stanley's knowledge as to risk mitigants on the level of the company is limited to that which a shareholder/investor would normally have.

3. ***Please indicate any of Morgan Stanley's commodities-related activities that relate to the manufacture or installation of commodities-related facilities or equipment, and the entities that engage in those activities.***

A number of Morgan Stanley entities manufacture or install commodities-related facilities or equipment in the ordinary course of their own businesses, either (a) as capital improvements to their own facilities or (b) as an integral component of their commodities operations (*e.g.*, a greenfield project to build a power plant and subsequently operate it to produce power). From our in-person meeting and subsequent conference call, we understand this question to be aimed not at such activities, but at cases where Morgan Stanley has invested in entities that, whether alone or together with other commodities-related activities, manufacture for sale to, or install commodities-related facilities or equipment for, third-parties. The following entities are engaged in such manufacturing and installation activities for third parties:

- *Atlantis Resources Corporation Pte Limited*

  Morgan Stanley holds a 49.9% interest in Atlantis Resources, a vertically integrated tidal power energy company. The company's current business plan provides that its initial purpose is to design and manufacture tidal current turbines that generate power from ocean currents as well as develop sites and deploy/maintain the turbines. It will likely contract with a third party to manufacture the turbines pursuant to the company's specifications. Morgan Stanley's intention is to finance the site development and own part of the plant's power production for resale and associated RECs.

- *GCL Wind Energy*

  Morgan Stanley owns 5% of GCL Wind Energy, a wind blade and mould producer registered in Cayman Islands and founded in 2007. The Company has one mould factory and one wind blade factory in operation, one wind blade factory in construction and two in planning. GCL Wind is only involved in the production and sale of wind blades to turbine manufacturers and will not be involved in turbine manufacturing, turbine installation or power generation.

4. ***Please indicate any of Morgan Stanley's commodities-related activities that relate to the transportation or storage of commodities, and the entities that engage in those activities. Where you have indicated certain investments are being used for transportation or storage of commodities, please indicate whether they are used solely or primarily for this purpose.***

Morgan Stanley has invested in entities that own transportation or storage facilities for transporting or storing either (x) their own or Morgan Stanley Capital Group Inc.'s commodities or (y) third parties' commodities. Several Morgan Stanley entities lease capacity in transportation and storage facilities from some of the entities listed below and from third parties. We will provide a list of the relevant entities that lease capacity if you wish.

Except where indicated, all of the following entities that own transportation and/or storage facilities do not use transportation or storage facilities for "non-commodities" such as manufactured goods:

- *Agri.capital*

  Morgan Stanley owns a 4.1% preferred stock investment in the parent of Agri.capital GmbH, which owns biogas plants that produce electric power and heat; supplies energy distributors with power and heat (heat is also transported to customers such as schools, businesses and homes); the company invests in biomethane refining technology and enters into joint ventures with energy distributors where company supplies biogas and distributor sells to third parties.

- *TransMontaigne Inc.*

  Morgan Stanley holds 100% of the common stock of TransMontaigne Inc., which, directly and through controlling interests in companies, gathers, transports, stores and markets refined petroleum products, chemicals and crude oil; in respect of the foregoing commodities operates supply distribution marketing network, provides supply management, operates terminal, pipeline, tug and barge business; through subsidiaries owns refined product terminals, refined products and LPG pipelines, and liquefied petroleum gas terminaling facility.

- *Heidmar Group Inc.*

  Morgan Stanley holds 100% of the common stock of Heidmar Group Inc., which holds 49% of the Class A member units of Heidmar Holdings LLC. Heidmar Holdings LLC and its subsidiaries provide marine transportation and logistics in both international shipping and U.S. marine logistics services in respect of oil products, crude oil and other commodities, but not manufactured goods, through four business segments: vessel and derivative trading, commercial fleet management, lightering services and marine logistics services; controls and manages fleet of over 80 tankers within four revenue sharing pools, delivering oil products and crude oil internationally.

- *RangeFuels, Inc.*

  Morgan Stanley holds 2.13% of the Series B preferred shares of RangeFuels (erroneously named Rangefields in the chart submitted on April 14, 2009), which converts biomass into low carbon biofuels (syngas) and renewable energy (ethanol/methanol); owns one plant where it tests the process/technology and is constructing another commercial plant in Georgia; invented thermo-chemical conversion technology that converts non-food sources first into syngas and then converts the syngas into ethanol/methanol.

- *Global Energy International Ltd.*

  Morgan Stanley holds 30% of the common stock of Global Energy, which, through its subsidiaries, engages in trading and supply of bunker fuels; provides services for debunkering and ship-to-ship transfers; operates coastal tankers-transport to regional ports; sells and delivers petroleum products; provides ship management services, vessel chartering, shipping agency and marine consultancy in relation to shipment of petroleum products; supervises construction of new tanker ships; owns approximately 12 tankers.

- *Olco Petroleum Group Inc.*

  As part of Morgan Stanley's controlling investment in TransMontaigne, Morgan Stanley owns 100% of the common stock of Olco, which, through its supply network, engages in wholesale and, through its Canadian retail gas stations, retail marketing of gasoline, ethanol-based gasoline, mid-distillates, heavy fuel oils, diesel oil, propane, and lubricants; through subsidiaries, owns terminal facilities in Canada, wholesale distribution of bulk petroleum products, including biofuels, in the U.S. and retail gas stations in Quebec and Ontario, Canada.

- *Delek US Holdings Inc.*

  Morgan Stanley owns 3.8% of the common stock of Delek, a company engaged in petroleum refining marketing and supply, including retail marketing via retail gas stations; Delek operates a refinery, owns pipelines, refined product terminals and storage tanks.

- *Enselco LLC*

  Morgan Stanley Capital Group Inc. provided financing to *Enselco LLC*, a Ukrainian entity, and in return obtained an option to acquire the share capital of Enselco's parent, Venusaur Holdings Limited. At the time of Morgan Stanley's investment, it was intended that Enselco would manufacture biodiesel from rapeseed, among other crops-"biofuels"-that it would grow on its farms. Enselco currently does not manufacture biodiesel and does not grow biofuels exclusively; rather, as part of a crop rotation program, Enselco grows alternative crops such as barley, wheat and oats which it then sells. Storage occurs in Enselco's own storage facilities, as well as third-party storage facilities Enselco leases. Morgan Stanley is seeking to sell its option on the share capital of Venusaur Holdings Limited.

5. ***Where you describe an investment of Morgan Stanley's that engages in commodities-related activities, please be sure to describe each of the activities in which that entity engages. For example, please describe the activities that Agricapital engages in.***

In addition to investments detailed elsewhere in these responses, the following entities in which Morgan Stanley invests, directly or indirectly, engage in "commodities-related activities" which may not have been sufficiently detailed in the commodities chart submitted on April 14, 2009.

- *Agri.capital*

  Morgan Stanley owns a 4.1% preferred stock investment in the parent of Agri.capital GmbH, which owns biogas plants that produce electric power and heat; supplies energy distributors with power and heat (heat is also transported to customers such as schools, businesses and homes); the company invests in biomethane refining technology and enters into joint ventures with energy distributors where company supplies biogas and distributor sells to third parties.

- *Third Planet Windpower LLC*

  Third Planet is a company engaged in the development, construction and operation of wind power generation projects, or "windfarms." The company is constructing its first windfarm in Loraine, Texas. The company is currently seeking a buyer in the market to acquire the Texas project before completion of construction. If the company does not find such a buyer, Morgan Stanley will acquire the project as Morgan Stanley is currently funding 100% of the project's construction costs.

  Morgan Stanley owns 99.9% of the convertible preferred equity in Third Planet. Upon conversion, Morgan Stanley would own approximately 99.9% of the common equity of the company.

- *Geothermal Tax Equity Deal (Ormat) – OPC LLC*

  OPC LLC owns project companies that own and operate geothermal power generation projects. Each project company sells the electricity generated at its facilities and associated renewable energy certificates to third parties, either on a long-term contracted or spot basis.

  Morgan Stanley holds a preferred equity interest in OPC, which is the most senior component of OPC's capital structure. Pursuant to OPC's operating agreement, Morgan Stanley is entitled to receive 99.9% of tax items (production tax credits, accelerated depreciation and taxable income) and 100% of distributable cash until a certain date upon which Morgan Stanley will have achieved an after-tax target internal rate of return on its initial investment.

  Upon reaching the set date, Morgan Stanley's allocation of tax items and distributable cash is reduced to 5.0%, which remains in place for the duration of Morgan Stanley's investment. It should be noted that the transaction was structured with the expectation that the target internal rate of return would be achieved approximately 10 years post-closing and has the characteristics of a financing.

Confidential Treatment Requested

6. *Please describe material U.S. federal licenses possessed by Morgan Stanley or its affiliates related to commodities, such as power marketing or generation licenses.*

The following entities have been granted Power Marketing Licenses by FERC:

Name of Entity	Date approval first effective	Docket# under which MBR first accepted
Morgan Stanley Capital Group Inc.	11-08-1994	ER-94-1384-000
Naniwa Energy LLC	02-15-2001	ER-01-0457-000
Power Contract Finance LLC	05-24-2002	ER-01-0457-000
Power Contract Financing II Inc.	07-24-2003	ER-03-1109-000
Power Contract Financing II LLC	07-24-2003	ER-03-1108-000
South Eastern Electric Development Corporation	05-12-1999	ER-99-2329-000
South Eastern Generating Corporation	04-25-2000	ER-00-1803-000
Utility Contract Funding II LLC	11-22-2002*	ER-03-0206-000*
MS Solar Solutions Corporation	09-10-2003	ER-03-1315-000

*Company succeeded to *CES Marketing, LLC*, Letter Order, Docket No. ER04-733-000 (May 21, 2004).

In addition, Morgan Stanley Capital Group Inc. has obtained the following U.S. federal authorizations:

- US Department of Energy, Order Authorizing Electricity Exports to Canada, Order No. EA-184-B, August 19, 2005.
- US Department of Energy, Order Authorizing Electricity Exports to Mexico, Order No. EA-184-A, June 28, 2006.
- US Department of Energy, Order Granting Blanket Authorization to Import Liquefied Natural Gas from Various International Sources, DOE/FE Order No. 2471, February 26, 2008.

7. *Please elaborate on some more specific points as discussed on the call:*

- *I, elaborate on "freight" contracts.*

Freight contracts are an important component of buying and selling oil and oil products in the international markets. Oil purchased in one location often times is transported to another location. The transportation of oil - "wet freight" - employs a number of different types of vessel charters. Voyage charters are undertaken to move oil from one point to another. Time charters, on the other hand, are used where a ship is chartered for a stated period of time, typically for 60-90 days, but time charters can be for up to 3-5 years. Barges are also used within internal waterways. The cost of moving oil, whether through a voyage charter or a time charter adds an expense to the cost of the product. Over the years, freight contracts, or "FFAs" (stands for Freight Forward Agreements) have developed, among other reasons, to hedge these costs. FFAs are financially settled instruments used to hedge physical oil tanker earnings / logistics costs (depending on the point of view), and are also used by others seeking exposure to this asset class.

- *V, confirm that activities engaged within and without U.S.*

Morgan Stanley confirms that it and the entities in which it invests engage in activities, for each of the bullet points listed in clause V of the commodities chart submitted on April 14, 2009, both within and outside the United States. Solely for clarification, Morgan Stanley owns electricity transmission facilities only to the extent that such facilities are owned in connection with the ownership of power plants to enable interconnection with the power grid. Morgan Stanley does not own transmission facilities that are used to transmit electricity for third parties.

- *VI, elaborate on "related farming facilities".*

Morgan Stanley Capital Group Inc provided financing to *Enselco LLC*, a Ukrainian entity, and in return obtained an option to acquire the share capital of Enselco's parent, Venusaur Holdings Limited. The term "related farming facilities" refers to the activities of Enselco. At the time of Morgan Stanley's investment, it was intended that Enselco would manufacture biodiesel from rapeseed, among other crops -- "biofuels" that it would grow on its farms. Enselco currently does not manufacture biodiesel and does not grow biofuels exclusively; rather, as part of a crop rotation program, Enselco grows alternative crops such as barley, wheat and oats which it then sells. Storage occurs in Enselco's own storage facilities, as well as third-party storage facilities Enselco leases. Morgan Stanley is seeking to sell its option on the share capital of Venusaur Holdings Limited.

- *VII, confirm if Olco operates gas stations in U.S.*

Olco operates gas stations exclusively in the Quebec and Ontario Provinces in Canada.

- *VII, elaborate on activities of Wellbore.*

Company established to invest in oil, gas or other hydrocarbon exploration and development projects, acquire and develop leases on oil, gas or other hydrocarbons in the continental U.S. and federal and state waters offshore and to produce, market or sell oil, gas or other hydrocarbons from such leases.

- *VII, elaborate on activities of Govi.*

  GoviEx Gold

  The company is a mineral exploration company which planned to use its proprietary geophysical survey technology to search for underground mineral deposits -- primarily gold. Unlike most geophysical survey companies, which are service providers operating on a purely fee-for-service basis, the Company had planned to negotiate equity stakes in the territory it explores (essentially using an earn-in model, where the effort and expenses Govi expends in conducting its survey earn it a pre-negotiated equity stake.)

No minerals have been found and Govi's technology has not yet reached commercial stage. The company has no revenue-generating operations. Since the onset of the global recession, the company has re-balanced its strategy away from greenfield projects and instead focused on technology development and potential acquisitions of discounted assets in the mineral exploration and development space. The company does not own territory but used to have equity ownership in an Australian JV which had licenses to Australian exploration tenements. The company has since transferred its shares back to the JV partner in exchange for a discovery royalty of US$2 per ounce of gold found.

- ***VII, elaborate on activities of MGM International Group;***

The company provides technical and financial solutions for projects related to climate change mitigation and adaptation; services include project identification and development, commercialization of emission reduction credits, monitoring emissions reduction projects, preparation of greenhouse gas inventories, and financing of projects.

- ***VII, elaborate on nature of firm's investment (e.g., whether Morgan Stanley exercises management over) in Aeolus Wind Power IV and III, 2007 Vento I, LLC, Northern Frontier Wind, Naturener Montana Wind Energy, Scurry County Wind, BrightSource Energy, Firm Green Fuels of Ohio and Geneva Energy LLC.***

○ *Aeolus Wind Power IV and III, 2007 Vento I, LLC, Northern Frontier Wind, Naturener Montana Wind Energy, Scurry County Wind*

Each of these companies (each, a "**HoldCo**") own companies (each, a "**Project Company**") that own and operate wind power generation projects, or "windfarms." Each Project Company sells the electricity generated at its windfarm and associated renewable energy certificates to third parties, either on a long-term contracted or spot basis.

Morgan Stanley holds a preferred equity interest in each HoldCo, which is the most senior component of each HoldCo's capital structure. Morgan Stanley's investment in each HoldCo is passive, with Morgan Stanley holding only consent rights over certain major decisions that could adversely affect the value of Morgan Stanley's investment. For each transaction, pursuant to the corresponding HoldCo operating agreement, Morgan Stanley is entitled to receive a certain percentage of tax items (production tax credits, accelerated depreciation and taxable income) and distributable cash until a certain date upon which Morgan Stanley will have achieved an after-tax target internal rate of return on its initial investment. The allocation for tax items varies among the six transactions between 99 and 100% and for distributable cash between 80 and 100%.

Upon reaching a set date, Morgan Stanley's allocation of tax items and distributable cash is reduced to between 4.95% and 5.0%, and remains in place for the duration of Morgan Stanley's investment. Each transaction is structured with the expectation that the target internal rate of return will be achieved approximately 10 years post-closing and has the characteristics of a financing.

- *BrightSource Energy Inc.*

  BrightSource Energy, Inc. is a leading designer, developer and operator of solar thermal power plants. Solar thermal technology concentrates the heat of the sun to generate electricity through conventional steam or combined-cycle gas turbines.

  Morgan Stanley invested in BrightSource Energy Inc. through a wholly-owned subsidiary, Morgan Stanley Renewables Inc. and its subsidiary Morgan Stanley BrightSource LLC by means of (a) subscribing for $20 million of Series B convertible preferred equity issued by the Company that will be utilized by the Company for its working capital and (b) establishing a $25 million development loan facility to provide development capital for Solar Partners I LLC, a wholly-owned subsidiary of the Company, to develop a 100 MW solar power generation facility. Morgan Stanley has one out of five board seats of the Company.

- *Firm Green Fuels of Ohio*

  Morgan Stanley owns 75% of the equity in FirmGreen Fuels of Ohio LLC. Morgan Stanley's investment is passive, with Morgan Stanley holding only consent rights over certain major decisions that could adversely impact the value of Morgan Stanley's investment.

  The Company engaged in the development, construction and operation of landfill gas-to-energy projects, and is currently developing its first project with the Solid Waste Authority of Central Ohio in Grove City, Ohio.

- *Geneva Energy LLC*

  Morgan Stanley owns 95% of the Class A membership interest ownership units in Geneva Energy. Geneva Energy is in the process of operating a 20MW tire fueled generation power facility located in Illinois (30 miles south of Chicago). As with wind farms, geothermal facilities and other biomass plants, as the project generates and sells electricity, the project owner receives production tax credits. In addition to production tax credits, the projects will receive revenue from the sale of electricity, capacity and RECs. At the time the investment was made, Morgan Stanley's role was structured as a passive investor with minimal control rights. Due to management issues, Morgan Stanley took an active role, replacing the manager of the facility through a consensual revision of existing management arrangements with existing minority investors.

GLOBAL COMMODITIES DEEP DIVE RISK REVIEW

October 2009

STRICTLY PRIVATE AND CONFIDENTIAL

J.P.Morgan

Executive Summary

Key Takeaways and Conclusions

- New and Different Risks
  - **Physical Assets:** In addition to credit and market risks found in other IB businesses, the Commodities business involves different risks associated with the ownership, movement and storage of physical assets
  - **Idiosyncratic Risks:** Many commodities transactions have unique and specific risks and characteristics. Risk management is hands on and labor intensive often requiring trade-by-trade review
  - **Product Variability:** Basis risks and quality differentials add to complexity of managing risk (e.g. 3,000 curves feed into GCG VaR, compared with ~200 in Rates and ~1000 in FX)
- Rapidly Growing Business
  - **Expertise:** JPM still building out expertise across disciplines and support areas
  - **Resources:** Significant demands on risk, ops, finance, etc. Five recent acquisitions/integrations; several other due diligence exercises
  - **Technology:** Demands are high. Platform for pricing, risk management and credit is still in developmental stage. Several system migrations
- Risk Capture and Reporting (Mitigating processes in place; filling gaps as quickly as possible)
  - **Infrastructure:** Above risks don't easily fit within our existing infrastructure. Improved systems required
  - **Methodologies:** Certain risks require additional methodology development

Executive Summary

[illegible]

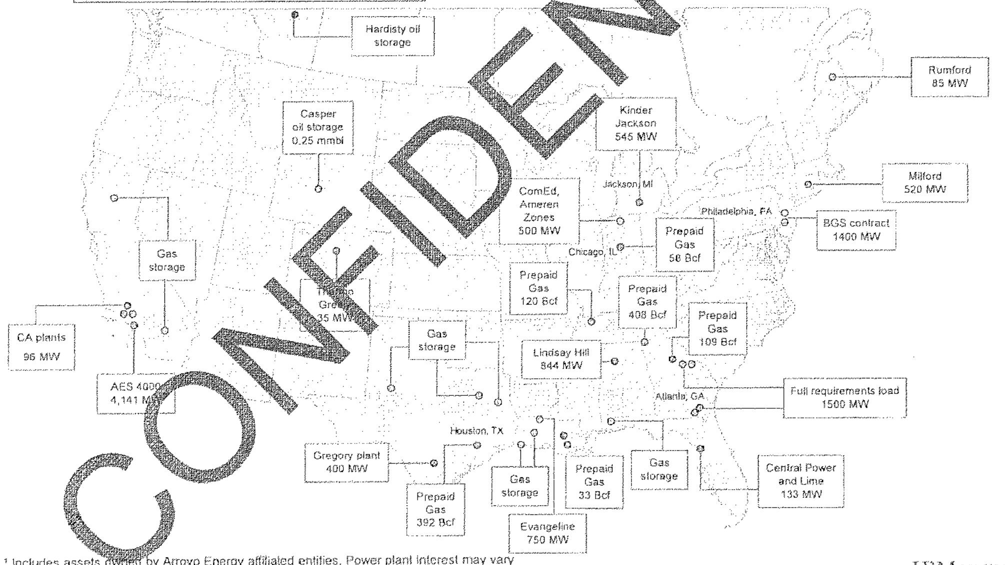
Some specific risks and issues which make commodities risk management different from other asset classes

- Physical and operational risks converting to market risks - volumetric risks, unit contingency
- Basis risks - seasonality and weather, contango vs backwardation, physical vs financial, regional
- Extended settlement terms – Receivable terms of more than 50 days for certain products
- Property and casualty
- Gap Risk/Volatility risk – greater than other asset classes (daily power volatility can be 200-300% annualized)
- Capturing physical value (e.g. real options extrinsic) in a derivatives framework
- Liquidity risks
- Contract and legal risk
- Right way risk
- Regulatory -
- Reputational
- Environmental and other liability
- Accounting Mismatches

Overview of J.P. Morgan Physical Portfolio[1]

			Stress
◎	Gas storage capacity	30.4 Bcf	$45mm
◎	Prepaid Gas Program	1,120 Bcf	NA
◎	Asset Management	120 MW	NA
○	Tolling capacity	6,280 MW	$450mm
◎	Power load	3,400 MW	$110mm
◎	Equity Ownership	1,149 MW	$139mm
◎	Floating/tank oil storage	4.6 mmbbls	$14mm
●	Canadian oil storage capacity	2.0 mmbbls	$15mm

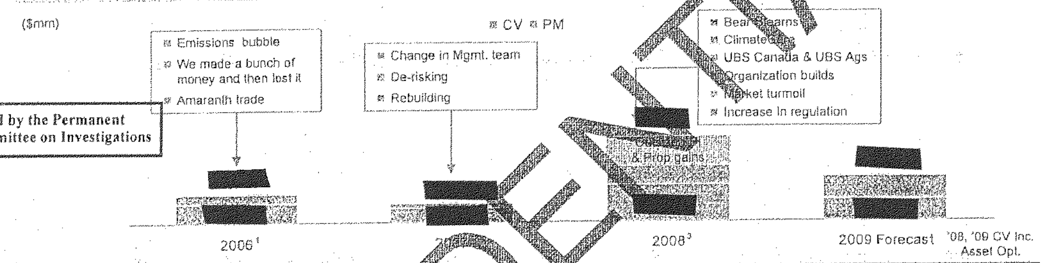
Denmark	0.5 mmbbl oil tank storage
Malta	1.8 mmbbl oil floating storage
UK	1.0 mmbbl oil floating storage 0.4 Bcf natgas storage
Korea	1.2 mmbbl oil tank storage



---

[1] Includes assets owned by Arroyo Energy affiliated entities. Power plant interest may vary

Business Overview: A look back at the evolution of our commodities franchise...



- Emissions bubble
- We made a bunch of money and then lost it
- Amaranth trade

- Change in Mgmt. team
- De-risking
- Rebuilding

- Bear Stearns
- Climate Care
- UBS Canada & UBS Ags
- Organization builds
- Market turmoil
- Increase In regulation

	2006[1]	[illegible]	2008[3]	2009 Forecast
Head count	164	203	472	498[4]
Sharpe ratio	0.95	[illegible].68	4.64	5.30[4]
Return on VAR	N/A	1[illegible]	67	60

- Unacceptable P&L
- Poor infrastructure, risk management and control
- Unbalanced business model
  - Oil: 9 sales people, no trader
  - Gas: 9 traders, [illegible] sales people

- Build Sales & Trading team
- Hire talent
  - Additions: [illegible]04
  - Departures: 71
- Rebuild capability
  - Balance Sheet
  - PI practice
  - Control procedures
  - Risk management
- Invest in infrastructure

- Strong financial performance
- Bear Stearns integration
- Expand presence in "physical" markets
- Expand product capabilities (Physical Oil, PI)
- Hire new talent2
  - Additions: 112
  - Departures: 110
- Reintegrating Exotics & Hybrids business

- Delivering on Investments
- Continuing build out of physical oil, Calgary integration, Ags and Softs, build client franchise etc
- Exploit synergies between physical & financial
- Continue to leverage PI
- Drive increased accountability: End-to-end Mgmt.
- Develop a GC culture
- Define technology end state. Accelerate Athena

---

[1] 2006 Revenue includes $1.6[illegible] in Expense Gross-ups from Bullion Shipping

[2] 2007 Revenue includes [illegible]mm in Expense Gross-ups partly from Bullion Shipping & EMEA Power Interconnect Fees

[3] 2008 Revenue includes $90mm in Expense Gross-ups mainly from NA Gas Vitol, EMEA Power Interconnect, Bullion Shipping and PI Minority Interest

[4] 2009 YTD; Does not include HC from Mergers, Acquisitions & functional transfers

J.P.Morgan

Page(s)
Redacted By The
Permanent Subcommittee
on Investigations

Risk Summary – Top Risks

▬ = Redacted by the Permanent Subcommittee on Investigations

Principal Investments – Disinvestments risks (stress loss [redacted]

- Exposed to impairment in the value of Arroyo portfolio, Tolls and Load portfolio. The stress loss is estimated by assuming severe unfavorable market moves e.g. power prices dropping by 40%, impairment of capacity, severe economic recession and significant contraction of spark spreads.

Basis risks/Term structures risks - GCG basis risks include physical vs financial, regional, term spread etc. The majority of these risks are captured in VaR, Stress or Rifles

- Nat Gas Summer/Winter spreads – net long 12k lots [redacted] release)
- Volumetric/migration risks – short convexity in Load contracts [redacted]
- Long storage vega in Nat Gas – short [redacted]
- Physical vs Financial: $15mm loss if there is physical oversupply at oil storage expiry

Outright Risks

- HR – long power, short gas. Stress loss [redacted] 10 std contraction in spreads)

Regulatory risks

- Emissions/SO2 – We are exposed to regulatory changes which would result in our existing credits becoming worthless, and losses realized on contracts sold forward. Rifles loss [redacted]
- CFTC – worse case scenario if investor exchange limits are 0 [redacted] unwind costs and -[redacted] for lost investor business

Liquidity risk/Crowded trades

- Long Index, short futures at exchange, long contango front end (e.g. GSCI)-[redacted] total [redacted] for 0.5% unwind cost)
- Gold forwards vs short futures – we own 20% comex futures OI [redacted] Assuming 0.5% cost to exit loss of [redacted]

Frequency of risk turnover

- Physical assets trade like long dated options, where we look to realize extrinsic value over the life of the lease. So hedges tend to be sticky given lower volatility at the back end of the curves. Our main PM risk tends to be traded by our prop book which has a very high risk turnover given dynamic/liquid trading strategy

Redacted By
Permanent Subcommittee on Investigations

[redacted] = Redacted by the Permanent Subcommittee on Investigations

Traded Products

Base Metals	[redacted]
Aluminium	[redacted]
Copper	[redacted]
Nickel	[redacted]
Zinc	[redacted]
Lead	[redacted]
Tin	[redacted]
Steel	[redacted]
Iron Ore	[redacted]
Precious Metals	[redacted]
Gold	[redacted]
Silver	[redacted]
Palladium	[redacted]
Platinum	[redacted]
Rhodium	[redacted]
Softs	[redacted]
Coffee	[redacted]
Corn	[redacted]
Lean Hogs	[redacted]
Cotton	[redacted]
Live Cattle	[redacted]
Soybean	[redacted]
Soybean Meal	[redacted]
Soybean Oil	[redacted]
Lumber	[redacted]
Sugar	[redacted]
Cocoa	[redacted]
Wheat	[redacted]
Orange Juice	[redacted]
Rapeseed	[redacted]
Dry Whey	[redacted]
Feeder Cattle	[redacted]
Milk	[redacted]
Milling Wheat	[redacted]
Red Wheat	[redacted]
Spring Wheat	[redacted]
Palmoil	[redacted]
Rough Rice	[redacted]
Ethanol	[redacted]
Oats	[redacted]
[illegible]	[redacted]
Sorghum	[redacted]

Global Oil	[redacted]
Asian Crude	[redacted]
Brent	[redacted]
Dated Brent	[redacted]
Canada	[redacted]
DUBAI	[redacted]
Maya	[redacted]
ME Crude	[redacted]
TAPIS	[redacted]
WTI	[redacted]
Fuel Oil	[redacted]
Distillates	[redacted]
Jet	[redacted]
Gasoline	[redacted]
Naptha	[redacted]
NGL	[redacted]
Emissions	[redacted]
CO2 [illegible]	[redacted]
CO2 CER	[redacted]
CO2 ERU	[redacted]
[illegible] VER	[redacted]
[illegible]	[redacted]
SO2	[redacted]
NOX	[redacted]
ERC	[redacted]
Coal	[redacted]
API1	[redacted]
API4	[redacted]
BAF[illegible]	[redacted]
[illegible]	[redacted]
US Coal - East	[redacted]
US Coal - West	[redacted]
Freight	[redacted]
Capesize	[redacted]
Panamax	[redacted]
Supramax	[redacted]
Baltic Dry Index	[redacted]
Route 4	[redacted]
Index	[redacted]
C-IGAR	[redacted]
DJAIG	[redacted]
JPMCCI	[redacted]
S&P GSCI	[redacted]
S&P GSCI Subindex	[redacted]

EMEA Power & Gas	[redacted]
German Power	[redacted]
French Power	[redacted]
UK Power	[redacted]
Dutch Power	[redacted]
Spanish Power	[redacted]
Nordpool Power	[redacted]
NBP Gas	[redacted]
TTF Gas	[redacted]
PEG Gas	[redacted]
Zaebrugge Gas	[redacted]
EGT Gas	[redacted]
Hornsea Gas Storage	[redacted]
US Natgas	[redacted]
Nymex outright	[redacted]
US Power	[redacted]
Power outright	[redacted]

Heat Rate	[redacted]
Peak (mm MWh)	[redacted]
Offpeak (mm MWh)	[redacted]
Stress ($mm)	[redacted]
Natgas Storage	[redacted]
Summer/ Winter (k lots)	[redacted]
Stress ($mm)	[redacted]
Natgas Transport	[redacted]
Stress ($mm)	[redacted]

Oil Storage (mmbbl)	[redacted]
Stress ($mm)	[redacted]

US Natgas Basis	No. of [redacted]
Canada	[redacted]
Gulf	[redacted]
Midcon	[redacted]
Midwest	[redacted]
Northeast/Appalachia	[redacted]
Texas	[redacted]
West	[redacted]
US Power Regional Spreads	MWhs [redacted]
AESO	[redacted]
IESO	[redacted]
Ercot	[redacted]
Midcon	[redacted]
Nepool	[redacted]
NYISO	[redacted]
PJM	[redacted]
South	[redacted]
West	[redacted]

SUMMARY		
Base Metals	[redacted]	[redacted]
Precious Metals	[redacted]	[redacted]
Oil	[redacted]	[redacted]
Power	[redacted]	[redacted]
Nat Gas	[redacted]	[redacted]
Emissions	[redacted]	[redacted]
Coal	[redacted]	[redacted]
Freight	[redacted]	[redacted]
Softs / Agri	[redacted]	[redacted]
Index	[redacted]	[redacted]
Total Commodities	784	4.3

**Page(s)
Redacted By The
Permanent Subcommittee
on Investigations**

GCG PI Accounting Conventions

- Numerous accounting conventions are applied with the GCG PI business. All are vetted through the internal accounting policy process with Corporate accounting policy

	Balance Sheet Classification	Income Statement Classification	Accounting	Products/Transactions which may be Impacted[1]
Tolls **Defined as Leases** **(assumes operating lease)**	At purchase date: Other Assets or Liabilities	Principal Transactions	Accrual	Tolling arrangements, power purchase agreements
Arroyo Investments	Other Assets (PP&E) for Consolidating Transactions Investments for Equity, non-consolidating transactions	Principal Transactions	Fair Value and/or Accrual (Equity and Consolidation Method)	Equity investments in Arroyo –
Derivatives	Derivative Assets Derivative Liabilities	Principal Transactions	MTM	Forward purchases/sales, options, etc.
Load Serve Transactions	At purchase date: Other Assets or Liabilities	Principal Transactions	Accrual	All load serve transactions (Georgia EMC)

---

[1] This chart is not intended to serve as a definitive guide, analysis for the respective transaction/product must be performed

▬ = Redacted by the Permanent Subcommittee on Investigations

Global Commodities Principal Investments Portfolio

Asset	Type	Location & Gas Supply	Size	Term	Ownership	GAAP Book Value	Severely Stressed Value	Parent Guarantees
Okwari UCF	Restructured PPA	Eagle Point, N J	1.666MM MWh	thru 2016	100%	[redacted]	[redacted]	-
Okwari CB I	Restructured PPA	Neward Bay, N J	855,779 MWh	thru 2014	100%	[redacted]	[redacted]	-
Okwari CB II	Restructured PPA	22% Bayonne, N J 78% Camden, N J	1.447MM MWh	thru [illegible]	100%	[redacted]	[redacted]	-
Misc Projects	Land	Colorado	-	-	100%	[redacted]	[redacted]	-
Central Power	Power Project Equity	Brooksville, F L	135 MW	Merchant	100%	[redacted]	[redacted]	-
Delta Power		various	various	various	various	[redacted]	[redacted]	
Gregory	Equity - Project w/PPA	Gregory, TX	400 MW	thru 2013	14.50%	[redacted]	[redacted]	-
Rumford	Equity - Project w/PPA	Rumford, ME	85 MW	thru 2020	1%	[redacted]	[redacted]	-
Vineland	Restructured PPA	Vineland, NJ	N/A	thru 2019	5%	[redacted]	[redacted]	-
Camarillo	Equity - Project w/PPA	Camarillo, CA	[illegible] MW	thru 2018	30%	[redacted]	[redacted]	-
Chino	Equity - Project w/PPA	Chino, CA	28 MW	thru 2018	30%	[redacted]	[redacted]	-
Mojave	Equity - Project w/PPA	Mojave, CA	55 MW	thru 2010	100%	[redacted]	[redacted]	-
Carson	Equity - Project w/PPA	Carson, CA	42 MW	thru 2020	38.30%	[redacted]	[redacted]	-
				TOTAL ARROYO		$ [redacted]	$ [redacted]	$ -

Note – Assets only and does not include any hedges or related hedge value

Global Commodities Principal Investments Portfolio

GCG PI tolling and load portfolios as of 6/30/09

Asset	Type	Location & Gas Supply	Size	Term	Ownership	GAAP Book Value	Mid-Office Value			Severely Stressed Value	Parent Guarantees
							Current	Prior	Change		
AES 4000	Tolls + Re-tolls	SP-15 EZ Gen Hub Socal	3,875 MW	6/2018	100%	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
Kinder Jackson	Toll	MISO Cinergy Dawn	535 MW	12/2010	100%	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
Cleco Evangeline	Toll	Entergy CGT Mainline	750 MW	12/2020	100%	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
Tenaska Lindsay Hill	Toll	SOCO Transco	845 MW	4/2027	100%	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
Georgia EMCs	Load	GITS	220 MW	12/2015	100%	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
					TOTAL TOLLS/LOAD	$ [redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]

Redacted By
Permanent Subcommittee on Investigations

Revenue Attribution % by Asset	Capacity	Energy
AES 4000	[illegible]	17%
Kinder Jackson	84%	16%
Cleco Evangeline	59%	41%
Tenaska Lindsay Hill	[illegible]	39%

Note – Assets only and does not include any hedges or related hedge value

Page(s)
Redacted By The
Permanent Subcommittee
on Investigations

Commodity Risks and Topics

▬ = Redacted by the Permanent Subcommittee on Investigations

Risk	Description	Comments
Volumetric uncertainty	As part of the GCG business we enter into transactions for which the volumetric profile is unknown at the time of transaction. Examples include: Volumetric Production Payments, Emission Reduction projects, and Load Following/Full Requirements Power transactions.	These risks are inherent to the products. Mitigants include: true-up mechanisms (VPP's); caps on the size of the business that we conduct (Emission Reduction project exposure); reserves [redacted] of day one reserves on Load risk). Otherwise we rebalance hedges through time or buy proxy hedges (i.e. weather) or options (straddles) to minimize the risk.
Unit Contingent Risk	In certain transactions we bear the risk of non-availability of an operating unit for non-force majeure reasons. To the extent that we've hedged with an LD transaction or are otherwise relying on performance to realize pnl, we are exposed to the risk of non-performance. An example of this risk occurred in July 09 when we experienced a loss of $2.8mm due to a fire affecting AL6 unit (part of California AES 4000 assets).	For the AES re-toll, we maintain contingent business interruption insurance covering catastrophic events (not simple machinery break-down). [redacted] For other unit contingent trades we will, in some cases, require minimum availability with penalties/liquidated damages for non-availability to bound the risk. We will also calibrate the hedging strategy, an example is to run a light hedge position for the natgas transport for the summer months with a view to minimize losses in event of hurricane. Otherwise, we manage the volumetric risk as above
Physical settlement	In the trading of physical commodities, market convention requires extended settlement terms. This can range from as short as 2-5 days for refined products to as long as 55 days or more for US natural gas	In some markets and with some contracts this risk is aggregated with mark to market exposure and is collateralized under collateral annexes to trading agreements. When not otherwise collateralized, we seek contract provisions which allow us to call for letter of credit or prepayment if settlement exposures exceed internal limits. System constraints currently challenge our ability to tactically manage this risk for natural gas and power when transactions are not otherwise covered by a collateral annex. Manual workarounds are in place for crude transactions.
Risk of Loss or Damage to owned property	Physical Assets, whether PI Investments in power plants or inventory owned as part of a trading strategy, are subject to the risk of physical loss or damage due to catastrophic events (windstorm, flood, machinery breakdown, etc) or act of terrorism.	We maintain commercial property insurance on the Arroyo Delta [redacted]

Commodity Risks and Topics

[redacted] = Redacted by the Permanent Subcommittee on Investigations

Risk	Description	Comments
Liability Risk	Through our ownership of assets, including potentially environmentally hazardous assets, we are exposed to liability to pollution incidents and to bodily injury, death, or third party property damage.	For the trading business, this is primarily mitigated through Charterer's & Cargo owner's Liability insurance [redacted] For the Arroyo Delta Assets we maintain insurance [redacted] Otherwise, we perform due diligence on third party operators, seek contractual limitations to exposure, and require double hulled vessels when transporting environmentally sensitive materials
Contract Risk	In our primary role as a middleman in transactions, we are subject to the risk of mismatched contract terms. This tends to be most acute when trading physical products where disruption events tend to be both more frequent (whether due to weather events, operating issues, or changes in market design) and more idiosyncratic. Mismatches in Force Majeure provisions, Market Disruption Events/Disruption Fallback provisions or provisions dealing with Market Redesign each exposes us to risk.	In general, we seek to achieve consistency as much as is possible and not to stray too far from market convention with respect to these provisions
Other Legal Risks	Master contracts for several physically traded products are often less robust than an ISDA and may require expanded confirmation provisions and/or reliance on general terms and conditions. When collateral is provided, there is generally a greater reliance on letter or credit and/or non-cash collateral	Contract terms, or lack thereof, are considered at the time of approval and incorporated in the approved limit.

▬ = Redacted by the Permanent Subcommittee on Investigations

Commodity Risks and Topics

Risk	Description	Comments
Modeling risk	Risks derived from modeling limitations to fully represent the contractual features, example representation of physical constraints of a tolling agreement, impact of economic activity or weather in load forecast	Model Risk Group reviews all pricing models, recommending improvements and/or reserves to address the limitations.
Regulatory environment	CFTC exchange limit restrictions and loss of exemptions could limit our OTC Investor business	Worst case loss could be around [redacted] including unwinding cost and lost business. Details on slide 24.
	Fed granted JPM enhanced legal powers post Bear acquisition to own certain physical assets incl. Tolls to expire in March 2010.	We intend to apply to renew our application – if rejected we will comply to limits or sell assets.
	The economics of many of the markets in which we transact could be significantly impacted by changing regulations. Examples include: SO2 Emissions regime post Kyoto, lifting AZ restriction on power transmission to California affecting capacity curves[1], and the power capacity markets more generally	We impose tenor limits which restrict the amount of CO2 emissions credits exposure beyond Kyoto. We require legal review of contractual provisions prohibiting counterparties to walk-away from SO2 obligations. Otherwise, we continue to monitor capacity fundamentals in California and elsewhere
	As a registered power marketer, JPM is technically a licensed utility. As such, all power contracts are subject to FERC regulation and the Federal Power Act. Market based rate setting authority provides some protection against subsequent challenges to contract prices; however, historical precedent on this point indicates that there is some risk	Legal contracts include the strongest language possible to preserve and protect contract terms Bank Holding Company physical exemptions
	PI investments face additional regulatory risks such as FERC/CFTC regulation, carbon legislation, etc.	The range of possible outcomes, while unknown at this time, range from providing an increase in asset to, in the most extreme case, a loss of capacity values that are not offset by market pricing in energy. [redacted]

[1] In the worst case scenario our losses would be limited to the NPV of our toll demand payments in California region of [redacted]

Commodity Risks and Topics

▬ = Redacted by the Permanent Subcommittee on Investigations

[illegible]

Risk	Description	Comments
Accounting	Difference occurs due to US GAAP accounting vs. economic pnl. Inventory e.g. Nat Gas storage, Oil subject to LOCOM, and Tolling deals subject to accrual accounting. [redacted]	[redacted]
Reputation Risk	Reputation Risk can arise as a result of the environmental liability risk inherent in asset ownership, through the products we trade (e.g. coal), and through investment in Emission Reduction projects. In the latter case, although JPM does not own nor is responsible for the operation of Emissions reduction projects, there is potential reputation risk related to environmental impact (pollution, bio-diversity, relocation, indigenous population, etc)	New initiatives and large trades which present potential risk are submitted for approval to the Reputation Risk Committee GCG established a risk policy to govern commodities transactions with public entities. The policy determines the levels of pre-trade due diligence depending on the risk of the transaction. At a minimum marketers/traders are required to ensure the transaction is an approved product by the Public Entity (Legal maintains checklist) and the level of risk is aligned to the client sophistication/risk appetite (GCG maintains a list of Commodities Experienced Public Entities). Approval from Risk Committee is required for high risk transactions (eg volumes are large to the natural position of the public entity, unwillingness to pay concerns, atypical/exotics transactions)
Imbedded financing	Many of the transactions undertaken by commodities include some form of imbedded financing. Examples include: VPP's, contract monetizations, flat priced purchases in contango markets and/or flat priced sales in backwardated markets, commodity buy/sell transactions	Such financings are understood at the time of approval and considered in the credit risk appetite

Commodity Risks and Topics

[illegible]

Risk	Description	Comments
Counterparty willingness to pay	As with other lines of business, JPM is subject to the risk of a counterparty's ability, but lack of willingness to pay settlement payments as and when they come due. This was recently demonstrated by an Asian airline's threats of non-payment. In addition, the history in the US Power Markets has indicated a willingness by some participants to assert that the "just and reasonable" standard under the Power Act has been breached in an effort to alter contract prices	We seek contractual provisions that seek to minimize our exposure to this risk, however, it remains a risk
Storage Risk	Although often a fee for service business with little counterparty credit risk, certain jurisdictions and trade types expose us to the credit risk of the storage company for the full value of the stored material	This risk is vetted by JPM Legal, so understood at the time of approval and considered in the credit risk appetite

Risk Infrastructure Challenges

▬ = Redacted by the Permanent Subcommittee on Investigations

- The fast business expansion and on-boarding of new products resulted in several tactical solutions being implemented to support the market and credit risk reporting requirements. Some of the risks are not captured by the current methodologies and/or do not easily fit within our existing risk infra structure.
- The main gaps include:
  - Settlement risk reporting
  - Position risk reporting, including Greeks, by counterparty for all products
  - Off-line credit
  - Exotics VaR and stress proxy
  - Fragmented reporting of interest rate and/fx risk
  - Limited reporting of volumetric risk
- Mitigating processes are generally in place to address the above gaps, by means of for example manual adjustment to reports or delta-gamma VaR approximation.
- The strategic solution will require substantial efforts. The systems migration to Endur/Athena and the Commander project is expected to close several gaps in 2010. In parallel it will be necessary to develop new methodologies to appropriately capture and report the risk related to load variability and settlement risk of physical trades.
- Target State Architecture [redacted] Full implementation 2010/2011.
- Support of Business Growth [redacted] (including Coal, Global Oil, Exotics and Ops).

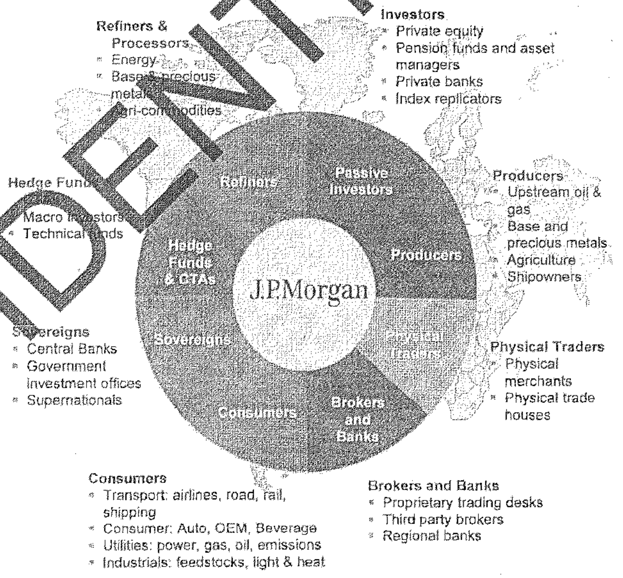
*Numbers are in the planning stage and not final

Page(s)
Redacted By The
Permanent Subcommittee
on Investigations

J.P. Morgan Global Commodities Group – Client Solutions Provider

Work with clients to design the most appropriate hedging, financing, investment and physical solutions in the futures, physical and over-the-counter commodities markets

1. **Corporate Risk Management:** price risk management for clients hedging commodities exposure
2. **Physical Commodities:** a reliable and experienced supply, offtake and inventory counterparty
3. **Market Intelligence:** distributing industry leading research in all commodity markets
4. **Commodity Linked Financing:** for clients seeking to buy or sell commodity assets or to leverage assets as collateral for financing transactions
5. **Integrated Solutions** Comprising J.P. Morgan's leading Advisory, Lending, Equity and Debt Underwriting Capabilities



Refiners & Processors
- Energy
- Base & precious metals
- Agri-commodities

Investors
- Private equity
- Pension funds and asset managers
- Private banks
- Index replicators

Hedge Funds
- Macro Investors
- Technical funds

Producers
- Upstream oil & gas
- Base and precious metals
- Agriculture
- Shipowners

Sovereigns
- Central Banks
- Government investment offices
- Supernationals

Physical Traders
- Physical merchants
- Physical trade houses

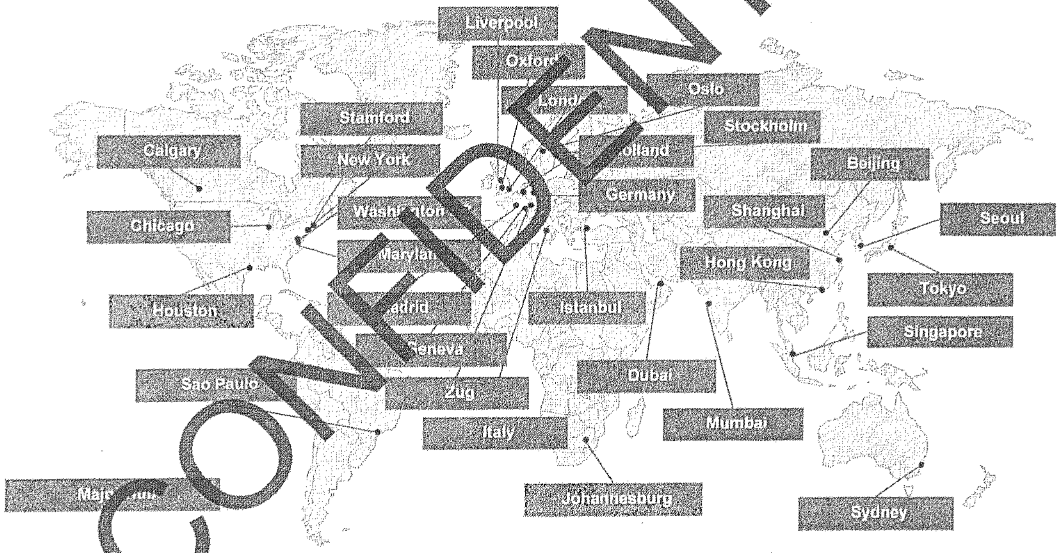
Consumers
- Transport: airlines, road, rail, shipping
- Consumer: Auto, OEM, Beverage
- Utilities: power, gas, oil, emissions
- Industrials: feedstocks, light & heat

Brokers and Banks
- Proprietary trading desks
- Third party brokers
- Regional banks

J.P. Morgan Global Commodity Footprint

Worldwide Locations

From energy and metals to environmental and agricultural commodities, our nearly 2,000 professionals in more than 10 countries operate at the center of the commodity markets. In addition to our office locations, our Henry Bath warehousing franchise operates more than 100 individual warehouse locations in 11 countries



How J.P. Morgan Commodities Differentiates Itself – 1

Steel & Iron Ore

- **Exchange-cleared futures**
- **OTC:** JPMorgan is also able to offer bespoke OTC swaps with reference to the NYMEX HRC contract; LME Billet; European HRC; CRC. These can take the form of:
  - Physical Forwards (settled into LME Warrants)
  - Single date cash settled Swaps
  - Asian Cash Settled Swap (for example average of the monthly Cash fixings)
- **Liquidity:** JPMorgan can execute on trades which go beyond the future clearing, are outsized versus current exchange liquidity, or for grades for which a terminal market has yet to be developed
- **Iron Ore:** traded OTC against [illegible] Platt's

Plastics

- There has been immense client interest around hedging resins as this represents a significant spend for a number of our end-user clients
- To meet this need we have established the capability to provide fixed priced swaps for the following resins based on various market indices:
  - Ethylene
  - Polyethylene
  - Polypropylene
- To the extent that a client's contracts are tied to a different underlying index, we are willing to look at alternative indices

Warehousing

- The Henry Bath Group is a world leading logistics provider specializing in the storage and shipping of exchange-traded metals and soft commodities around the globe
- Henry Bath operate in 19 key port locations across the USA, Europe, Asia and the Middle East, providing a global platform of Exchange-approved storage depositories for holding, making and taking delivery of physical commodities
- Licensed by the London Metal Exchange, the London International Financial Futures and Options Exchange and the Intercontinental Exchange ("ICE") to store and issue exchange-traded warrants in metals, plastics, cocoa & coffee.

Bullion Vaults

- Established in 1980, JPM has one of the world's leading commercial vaults for precious metal storage in London.
- Globally the most active Precious Metals clearing business, Loco London gold, silver, platinum and palladium clearing
- New York & Singapore vaults opened in September 2010
- Bullion Custody, services performed for wide ranging client base including sovereign clients, central banks, hedge funds and high net worth private bank clients
- ETF custodian: JP Morgan is the appointed custodian for SLV, SGOL, PPLT and PALL
- Refining and Recasting of metals " Quality Swaps."

J.P. Morgan's Global Metals Group

Commodity risk expertise is interlinked with firm wide capabilities

- A core component of the Global Commodities Group
- Our primary aim is
  - To facilitate price risk management for clients with exposure to
    - Precious metals – gold, silver
    - PGMs – platinum, palladium, rhodium
    - Base metals – nickel, copper, aluminium, zinc, lead, nasaac aluminium alloy, tin, cobalt and molybdenum
    - Ferrous metals – iron-ore, steel (coking coal and scrap currently being added)
  - By providing risk management and ideas that are both appropriate and meaningful
- As a group we have been involved in significant transactions and provided consistent service to our clients over the past 30 years. We have a global reputation as a strong reliable and committed house to these sometimes turbulent markets
- We remain at the forefront of market trends and product development as we expand the breadth and depth of the metal risk management offering
- Our client franchise is diverse encompassing all sectors of the industry
- Our business is based on cash settled metal OTC derivatives and listed contracts and we also trade in physical metals
- JPMorgan has the largest private bullion vault in London and has recently opened vaults in New York and Singapore
- Henry Bath is a world leading logistics provider specialising in the storage and shipping of exchange based metals around the globe

J.P. Morgan Metals Business

Markets We Trade

Futures | **Over-the-counter** | **Physicals**

Precious Metals

- ➢ **COMEX / TOCOM**
- Gold
- Silver
- Platinum
- Palladium
- Rhodium

Industrial Metals

- ➢ **LME / COMEX**
- Aluminum and Alloys
- Copper
- Zinc
- Lead
- Nickel
- [illegible]

Ferrous Metals

- ➢ **LME / NYMEX / OTC**
- Iron Ore
- LME Billet
- NYMEX Hot rolled coil
- European Hot rolled coil

What we do

Over the counter

- One of the highest credit rated bank dealer for OTC direct counterparty risk
- Significant risk-warehousing appetite for bulk execution, long-dated forwards and options-related risk
- Large global franchise across industry groups facilitating large information and transaction flow

Exchange based

- Active dealer on LME and Comex futures and options and a ring-dealer member of the LME, a Broker Member of the Dubai Gold & Commodities Exchange (DGCX), a founding member of the London Bullion Market Association (LBMA) and a member of the London Platinum and Palladium Market (LPPM)
- LME look-alike forwards and options (cash settled)

Physical

- JPMorgan has the largest commercial precious metal vault in London and a gold vaulting facility in Singapore
- JPMorgan is active in the industrial metals physical markets through the LME warrants platform and direct term contracts with our clients
- 17 Henry Bath global locations (leased) with 11.6 million square feet storage capacity

J.P.Morgan

June 18, 2009

CONFIDENTIAL TREATMENT REQUESTED

Goldman Sachs Permissibility Study Follow-Up – Commodities[1]

No.	Activity/Investment	Engaged in activity as of or prior to September 30, 1997? (Y/N)	Permissible? (Y/N)	Source(s) of authority	Other remarks
I.	Sales and trading activities				Please refer to Annex A, Question 1.
1.	Investing and trading as principal in cash settled derivatives, exchange traded contracts and physically settled contracts in precious metals (gold, silver, platinum, palladium, copper) and taking/making delivery of and possession of such commodities		Y	Sec. 4(c)(8), Reg. Y 225.28(b)(8)	
2.	Investing and trading as principal in physically settled contracts in base metals (*e.g.*, lead, zinc, nickel, aluminum) and taking/making delivery of and possessing of such commodities (including taking physical delivery on LME forwards and futures)	Y	Y	Section 4(o) (assuming that GS becomes an FHC before 4(a)(2) period expires) We note that the Fed has demonstrated understanding and comfort with physical trading of commodities authorized by the CFTC for trading on U.S. futures exchanges. See, *e.g.*, Royal Bank of Scotland	

---

[1] This study identifies all current investments maintained by Goldman Sachs' Global Commodities Group and Special Situations Group ("SSG") in companies owning commodities and properties underlying commodities ("commodity investments") and all commodity investments made by the Global Commodities Group and the Principal Investment Area ("PIA") as of 1997. The firm currently maintains commodity-related investments in PIA and groups outside of the Global Commodities Group and SSG (including the Investment Management Division) that are not reflected in this study. Please note that we will provide appropriate updates and or supplements to this study as requested.

No.	Activity/Investment	Engaged in activity as of or prior to September 30, 1997? (Y/N)	Permissible ? (Y/N)	Source(s) of authority	Other remarks
				FRB C60).	
3.	Investing and trading as principal in physically settled contracts in energy commodities (*e.g.*, electricity, coal, propane, crude oil and refined products such as heating oil, jet fuel, naphtha, gasoline, distillates, diesel, natural gas and natural gas liquids (NGLs) such as ethane, propane, butane and natural gasoline) and taking/making delivery of and possession of such commodities	Y with respect to crude oil, certain refined products (including heating oil, jet fuel, naphtha gasoline, distillates and diesel), natural gas, feedstocks (condensate, vacuum gas oil), and residual fuel oils	Y	Section 4(o) (assuming that GS becomes an FHC before 4(a)(2) period expires) We note that the Fed has demonstrated an understanding and comfort with physical trading of commodities authorized by the CFTC for trading on U.S. futures exchanges. See, *e.g.*, Royal Bank of Scotland, 94 FRB C60).	Activity engaged in by J. Aron & Company ("J. Aron"). J. Aron is registered with the FERC to sell power at market based rates. Please refer to Annex A, Question 4.
4.	Investing and trading as principal as principal in physically settled contracts in agricultural products (wheat, corn, coffee, cocoa, cotton, livestock) and taking/making delivery of and possession of such commodities	Y	Y	Section 4(o) (assuming that GS becomes an FHC before 4(a)(2) period expires) We note that the Fed has demonstrated an understanding and comfort with physical trading of commodities authorized by the CFTC for trading on U.S. futures exchanges. See, *e.g.*, Royal Bank of Scotland, 94	

No.	Activity/Investment	Engaged in activity as of or prior to September 30, 1997? (Y/N)	Permissible? (Y/N)	Source(s) of authority	Other remarks
				FRB C60).	
5.	Investing and trading as principal as principal in physically settled contracts in emissions credits and offsets (including with respect to SO2, NO2 and GHGs) and taking/making delivery of and holding such credits and offsets	N	Y	Section 4(o) (assuming that GS becomes an FHC before 4(a)(2) period expires) We note that the Fed has demonstrated an understanding and comfort with physical trading of commodities authorized by the CFTC for trading on U.S. futures exchanges. See, *e.g.*, Royal Bank of Scotland, 94 FRB C60).	
6.	Cash-settled activities: (i) Investing and trading in cash-settled commodity derivatives, including contracts with respect to the commodities listed in 2 through 5 above, and contracts that are not cash settled but which provide for assignment, termination or offset and on which GS does not take delivery other than through transitory title; (ii) investing and trading in exchange traded contracts; and (iii) investing and trading in commodities indices, including the S&P-GSCI and the Dow Jones-AIG indices.[2]	Y	Y	Sec. 4(c)(8), Reg. Y 225.28(b)(8)	

---

[2] Goldman Sachs also issues notes linked to commodities price and indices, including the S&P-GSCI, the Dow Jones-AIG and similar indices.

No.	Activity/Investment	Engaged in activity as of or prior to September 30, 1997? (Y/N)	Permissible? (Y/N)	Source(s) of authority	Other remarks
7.	Intent to engage in the physical trading of U308 (uranium ore) that meets the specifications of the New York Mercantile Exchange's uranium futures contract and is settled on the books and records of custodians	N	Y	Section 4(o) (assuming that GS becomes an FHC before 4(a)(2) period expires) We note that the Fed has demonstrated an understanding and comfort with physical trading of commodities authorized by the CFTC for trading on U.S. futures exchanges. See, *e.g.*, Royal Bank of Scotland, 94 FRB C60).	
II.	Logistical activities				
1.	Entering into tolling agreements for power plants (supplying fuel to and dispatching energy from an electric generating facility)	N	Y	Section 4(o) (assuming that GS becomes an FHC before 4(a)(2) period expires) We note that the Fed has demonstrated an understanding of and comfort with the activity (*see* Royal Bank of Scotland, 94 FRB C60).	Activity engaged in through J. Aron under its FERC authorization. Please refer to Annex A, Question 4.
2.	Entering into arrangements to store energy commodities (including natural gas, crude oil and crude refined products), base and precious metals and agricultural products	Y	Y	Sec. 4(c)(8), Reg. Y 225.28(b)(8) for precious metals; otherwise Section 4(o) (assuming that GS becomes an FHC before	Please refer to Annex A, Question 3 for a list of entities engaging in this activity.

No.	Activity/Investment	Engaged in activity as of or prior to September 30, 1997? (Y/N)	Permissible ? (Y/N)	Source(s) of authority	Other remarks
				4(a)(2) period expires). We note that the Fed has demonstrated an understanding of and comfort with the activity (*see* Royal Bank of Scotland, 94 FRB C60).	
3.	Entering into arrangements to transport many such commodities through pipelines and on waterborne vessels (including ships and barges)	Y	Y	Section 4(o) (assuming that GS becomes an FHC before 4(a)(2) period expires). We note that the Fed has demonstrated an understanding of and comfort with the activity (*see* Royal Bank of Scotland, 94 FRB C60).	Please refer to Annex A, Question 3 for a list of entities engaging in this activity.
4.	Entering into arrangements to transmit electricity	N	Y	Section 4(o) (assuming that GS becomes an FHC before 4(a)(2) period expires) We note that the Fed has demonstrated an understanding of and comfort with the activity (*see* Royal Bank of Scotland, 94 FRB C60).	
III	Investments in commodities activities				Please refer to Annex A, Question 5.

June 18, 2009

CONFIDENTIAL TREATMENT REQUESTED

Annex A

Questions to address inside (in Other Remarks for example) or outside the chart:

1. Please describe any activities that are retail or retail-oriented, and the entities that engage in those activities. Please indicate whether these activities are engaged within or without the U.S.

As a general rule, Goldman Sachs does not enter into retail commodity or commodity derivative transactions. That said, from time to time, Goldman Sachs enters into commodity and commodity derivative transactions with individuals who are "private wealth management" clients of the firm. Such activities are engaged in both within and outside of the United States. Additionally, Goldman Sachs established Independence Power Marketing LLC for the purpose of entering into power sales agreements with utilities located in the State of Maine in accordance with an auction process conducted by the state public utility commission. The terms of the contracts with such utilities provide that the utilities act as agent on behalf of their customers, who are retail end-users of power. All such contracts have been fully performed and are no longer outstanding as of the date hereof.

2. Please indicate any of Goldman Sachs' commodities-related activities that relate to the manufacture or installation of commodities-related facilities or equipment, and the entities that engage in those activities.

Development of new projects and operation of existing projects by Cogentrix subsidiaries may entail installation of commodity-related facilities or equipment. Additionally, as part of our investment activities which we have conducted for many years (including during the period prior to and including 1997), Goldman Sachs made investments in companies engaged in the manufacture and/or installation of commodities-related facilities and equipment (including the production of materials used in electric power generation, oil and gas exploration, marine vessels and the like) including Sealed Power Technologies, L.P., Essex International, Inc. and China Yuchai International Limited. Please refer to Question 5 below - Entities In Which Goldman Sachs Has Made Commodities Investments – for a description of these entities.

3. Please indicate clearly any of Goldman Sachs' commodities-related activities that relate to the transportation or storage of commodities, and the entities that engage in those activities.

Please refer to II. 2. and 3. above.

Where you have indicated certain investments are being used for transportation or storage of commodities, please indicate whether they are used solely or primarily for this purpose.

Please refer to the chart below. All such entities are indirect wholly owned subsidiaries of The Goldman Sachs Group, Inc.

Entity	Owned in 1997 or Earlier	Active Today	Used Primarily for transportation or storage of commodities
J. Aron & Company	Yes	Yes	No
J. Aron & Company (Singapore) PTE	Yes	Yes	No
J. Aron & Company UK Limited	Yes	No	No
J. Aron Bullion Limited	Yes	No	No
Fleet Trade & Transport (U.S.A.) Ltd.	Yes	Yes	Yes
Fleet Trade & Transport Limited	Yes	Yes	Yes

4. Please describe material U.S. federal licenses possessed by Goldman Sachs or its affiliates related to commodities, such as power marketing or generation licenses.

J. Aron is registered with the FERC as a power marketer, and has been granted the authority to sell power in the United States at market-based rates. Additionally, entities engaged in electric generation (either by Cogentrix or other entities, such as SunEdison) meet the requirements of being either or both an "Exempt Wholesale Generator" under the Public Utility Holding Company Act of 2005 or "Qualifying Facility" under the Public Utility Regulatory Policies Act of 1978.

5. Where you described an investment that engages in commodities-related activities, please describe each of the activities in which that entity engages.

Goldman Sachs invests in various companies that own properties underlying and facilities used in the commodities business, including companies that own assets that are utilized to extract, store, transport and/or process commodities (for example, transforming natural gas to electricity or crude oil to gasoline). Notably, Goldman Sachs has owned Cogentrix Energy LLC since 2003. Cogentrix Energy LLC owns all or part of several power generation facilities, provides services to those facilities, and also invests in various companies that own or develop commodities assets as detailed below. Please refer to the charts below for a detailed list of entities engaging in commodity-related activities, descriptions of such activities and source(s) of authority for such activities.

Entity Name	Owned in 1997 or Earlier	Active Today	Entity Activities	Source(s) of Authority
Primary Entities Through Which Goldman Sachs has Made Commodities Investments				
GS Power Holdings LLC	No	Yes	Holding company	N/A
GS Commodity (Cayman) Ltd	No	Yes	Holding company	N/A
GS Hong Kong Holdings, Ltd	Yes	Yes	Holding company	N/A

J. Aron R[illegible] Company	Yes	No	N/A	N/A
Goldman, Sachs & Co.	Yes	Yes	Broker-dealer and holder of various investments	N/A
Various Fund Entities			Funds for investments in the energy and commodities sector	N/A
Entities In Which Goldman Sachs Has Made Commodities Investments				
Eurosplitter NV	Yes	No	Operator of an oil refinery and related infrastructure in Rotterdam, Netherlands	Assuming the investment were still held, Section 4(o)
Paramount Resources Ltd.	Yes	No	Canadian energy company (exploration/development/ processing/transport/ market petroleum/natural gas)	Assuming the investment were still held, Section 4(o)
Merit Energy Partners, L.P.	Yes	No	Developer/operator of oil and gas properties (US)	Assuming the investment were still held, either Section 4(k)(4)(H) or Section 4(o) (assuming GS becomes an FHC before 4(a)(2) period expires)
Paz Oil Company	Yes	No	Marketer and distributor of oil and gas in Israel	Assuming the investment were still held, either Section 4(k)(4)(H) or Section 4(o) (assuming GS becomes an FHC before 4(a)(2) period expires)
Cross Timbers Oil Company	Yes	No	Developer/operator of oil and	Assuming the

			gas properties (US)	investment were still held, either Section 4(k)(4)(H) or Section 4(o) (assuming GS becomes an FHC before 4(a)(2) period expires)
ENSCO International, Inc.	Yes	No	Contractor of offshore oil and gas drilling (US)	Assuming the investment were still held, either Section 4(k)(4)(H) or Section 4(o) (assuming GS becomes an FHC before 4(a)(2) period expires)
SubSea International, Inc.	Yes	No	Provider of diving and remotely operated vehicle services to the oil field service industry (US)	Assuming the investment were still held, either Section 4(k)(4)(H) or Section 4(o) (assuming GS becomes an FHC before 4(a)(2) period expires)
SEACOR Holdings, Inc.	Yes	No	Operator of marine vessels dedicated to oil and gas exploration (US)	Assuming the investment were still held, either Section 4(k)(4)(H) or Section 4(o) (assuming GS becomes an FHC before 4(a)(2) period expires)
Sealed Power Technologies, L.P.	Yes	No	Designer and manufacturer of engine parts, castings and	Assuming the investment were

			filters (US)	still held, either Section 4(k)(4)(H) or Section 4(o) (assuming GS becomes an FHC before 4(a)(2) period expires)
Essex International, Inc.	Yes	No	Producer of electrical and telecommunication wire and cable products (US)	Assuming the investment were still held, either Section 4(k)(4)(H) or Section 4(o) (assuming GS becomes an FHC before 4(a)(2) period expires)
China Yuchai International Limited	Yes	No	Manufacturer of medium-duty diesel engines in China	Assuming the investment were still held, either Section 4(k)(4)(H) or Section 4(o) (assuming GS becomes an FHC before 4(a)(2) period expires)
Green Earth Fuels, LLC	No	Yes	Developer/operator of bio-diesel facility (US)	Either Section 4(k)(4)(H) or Section 4(o) (assuming GS becomes an FHC before 4(a)(2) period expires)
Companhia Nacional de Acucar e Alcool	No	Yes	Producer of sugar-based ethanol in Brazil	Either Section 4(k)(4)(H) or Section 4(o) (assuming GS becomes an FHC

June 18, 2009

CONFIDENTIAL TREATMENT REQUESTED

				before 4(a)(2) period expires)
North West Upgrading Project	No	Yes	Alberta, Canada upgrader/refinery incorporating gasification and a carbon capture and storage solution	Either Section 4(k)(4)(H) or Section 4(o) (assuming GS becomes an FHC before 4(a)(2) period expires)
Sante Elisa Vale SA	No	Yes	Producer of sugar-based ethanol in Brazil	Either Section 4(k)(4)(H) or Section 4(o) (assuming GS becomes an FHC before 4(a)(2) period expires)
Calais LNG Project Company	No	Yes	Developer of a liquefied natural gas facility in Calais, Maine (US)	Section 4(o) (assuming GS becomes an FHC before 4(a)(2) period expires)
Gobistar International Limited	No	Yes	Mongolian gold miner	Either Section 4(k)(4)(H) or Section 4(o) (assuming GS becomes an FHC before 4(a)(2) period expires)
Angold Maritime Limited	No	Yes	Dry-bulk ship operator	Either Section 4(k)(4)(H) or Section 4(o) (assuming GS becomes an FHC before 4(a)(2) period expires)
Vostok Energy Limited	No	Yes	Russian independent oil and gas company	Either Section 4(k)(4)(H) or

				Section 4(o) (assuming GS becomes an FHC before 4(a)(2) period expires)
Canamens Limited	No	Yes	Oil and gas exploration and production company with focus on Europe, North Africa, the Middle East and Central Asia	Either Section 4(k)(4)(H) or Section 4(o) (assuming GS becomes an FHC before 4(a)(2) period expires)
Molycorp Minerals LLC	No	Yes	Rare earth mineral mining company	Either Section 4(k)(4)(H) or Section 4(o) (assuming GS becomes an FHC before 4(a)(2) period expires)
Syntech Holdings Pty Ltd	No	Yes	Developer of coal mines in Australia	Either Section 4(k)(4)(H) or Section 4(o) (assuming GS becomes an FHC before 4(a)(2) period expires)
Bluesource LLC	No	Yes	Aggregator of carbon emission offsets arising from carbon capture and sequestration projects	Either Section 4(k)(4)(H) or Section 4(o) (assuming GS becomes an FHC before 4(a)(2) period expires)
Amonix Corporation	No	Yes	Producer of photovoltaic power cell	Either Section 4(k)(4)(H) or Section 4(o) (assuming GS

June 18, 2009

CONFIDENTIAL TREATMENT REQUESTED

				becomes an FHC before 4(a)(2) period expires)
ICE Energy, Inc.	No	Yes	Distributor of energy storage and smart grid solutions	Either Section 4(k)(4)(H) or Section 4(o) (assuming GS becomes an FHC before 4(a)(2) period expires)
Iogen Corporation	No	Yes	Producer or cellulosic ethanol (Canada)	Either Section 4(k)(4)(H) or Section 4(o) (assuming GS becomes an FHC before 4(a)(2) period expires)
US Development Group, LLC	No	Yes	Specialist in ethanol logistics	Either Section 4(k)(4)(H) or Section 4(o) (assuming GS becomes an FHC before 4(a)(2) period expires)
US Geothermal Inc.	No	Yes	Developer/operator of geothermal energy generation	Either Section 4(k)(4)(H) or Section 4(o) (assuming GS becomes an FHC before 4(a)(2) period expires)
Shelter Bay Energy Inc.	No	Yes	Canadian oil and gas company	Either Section 4(k)(4)(H) or Section 4(o) (assuming GS becomes an FHC before 4(a)(2)

				period expires)
Fairway Resources, LLC	No	Yes	Developer/operator of oil and gas properties	Either Section 4(k)(4)(H) or Section 4(o) (assuming GS becomes an FHC before 4(a)(2) period expires)
Foothills Resources, Inc.	No	Yes	Developer/operator of oil and gas exploration and production properties	Either Section 4(k)(4)(H) or Section 4(o) (assuming GS becomes an FHC before 4(a)(2) period expires)
Hallwood Energy, L.P.	No	Yes	Upstream energy company (acquisition, development and production of oil and gas properties)	Either Section 4(k)(4)(H) or Section 4(o) (assuming GS becomes an FHC before 4(a)(2) period expires)
Kerogen Resources, Inc.	No	Yes	Oil and gas shale developer/operator	Either Section 4(k)(4)(H) or Section 4(o) (assuming GS becomes an FHC before 4(a)(2) period expires)
Opal Energy, Inc.	No	Yes	Exploration and production company (onshore natural gas)	Either Section 4(k)(4)(H) or Section 4(o) (assuming GS becomes an FHC before 4(a)(2) period expires)
Pacific Energy Resources, LTD	No	Yes	Developer/operator of oil and	Either Section

			gas properties	4(k)(4)(H) or Section 4(o) (assuming GS becomes an FHC before 4(a)(2) period expires)
Pantano Energy Services Inc.	No	Yes	Canadian amphibious drilling rig company	Either Section 4(k)(4)(H) or Section 4(o) (assuming GS becomes an FHC before 4(a)(2) period expires)
Teoil & Gas Corporation	No	Yes	Oil and gas company	Either Section 4(k)(4)(H) or Section 4(o) (assuming GS becomes an FHC before 4(a)(2) period expires)
Trident Resources Corp.	No	Yes	Western Canadian natural gas company	Either Section 4(k)(4)(H) or Section 4(o) (assuming GS becomes an FHC before 4(a)(2) period expires)
Cogentrix				
Cogentrix Energy LLC	No	Yes	(a) owning/operating power generating facilities (Cogentrix currently owns 100% stakes in three power generating facilities, 50% stakes in two power generating facilities and a 20% stake in a holding company that in turn owns	Section 4(o) (assuming GS becomes an FHC before 4(a)(2) period expires)

			interests in 13 other facilities). Cogentrix provides management services (including engineering, accounting, fuel management, human resources, legal and other support) and operations and maintenance services to the majority of these facilities. (b) developing power generation facilities with a particular emphasis on renewable energy facilities powered by solar, thermal and hydro energy and other energy infrastructure assets; and (c) investing in companies that develop energy technologies engaged in the development of various technologies that have the potential to be used in the development of power generating facilities or are otherwise related to Cogentrix's activities.	
Other Cogentrix Investments				
Gridpoint Inc.	No	Yes	Developer of systems to regulate and reduce demand for electricity at its source	Either Section 4(k)(4)(H) or Section 4(o) (assuming [illegible] becomes an FHC before 4(a)(2) period expires)
Suniva, Inc.	No	Yes	Developer of manufacturing	Either Section

			and marketing of ARTI-Sun series silicon photovoltaic cells for solar generated power	4(k)(4)(H) or Section 4(o) (assuming GS becomes an FHC before 4(a)(2) period expires)
Spectrawatt, Inc.	No	Yes	Developer of advanced photovoltaic cells for application in solar facilities	Either Section 4(k)(4)(H) or Section 4(o) (assuming GS becomes an FHC before 4(a)(2) period expires)
Cogentrix Turkish JV (Eti Electrik)	No	Yes	Power generation facilities in Turkey	Section 4(o) (assuming GS becomes an FHC before 4(a)(2) period expires)
Masat Enerji Elektrik				
Basat Elektrik				
Ey-Tur Enerji Elektrik				
Dorat Elektrik				
Firat Elektrik				
Karat Elektrik				
Sonat Elektrik				
Ucgen Enerji Elektrik				
Yade Elektrik				
Derton Elektrik				
Other Electricity Entities				
Condon Wind Power, LLC	No	Yes	Wind power project	Either Section 4(k)(4)(H) or Section 4(o) (assuming GS becomes an FHC

				before 4(a)(2) period expires)
Rock River I, LLC	No	Yes	Wind power project	Either Section 4(k)(4)(H) or Section 4(o) (assuming GS becomes an FHC before 4(a)(2) period expires)
Cabazon Wind Partners, LLC	No	Yes	Wind power project	Either Section 4(k)(4)(H) or Section 4(o) (assuming GS becomes an FHC before 4(a)(2) period expires)
Solar Energy Generating System I/II	No	Yes	Solar power project	Either Section 4(k)(4)(H) or Section 4(o) (assuming GS becomes an FHC before 4(a)(2) period expires)
Whitewater Hill Wind Partners, LLC	No	Yes	Wind power project	Either Section 4(k)(4)(H) or Section 4(o) (assuming GS becomes an FHC before 4(a)(2) period expires)
Sun Edison Entities	No	Yes	Solar power project	Either Section 4(k)(4)(H) or Section 4(o) (assuming GS becomes an FHC before 4(a)(2)

				period expires)

Goldman Sachs

SECURITIES DIVISION

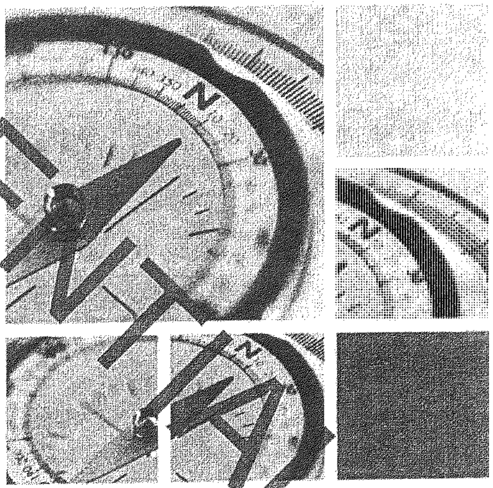
Global Commodities Business Overview

Presentation to the Federal Reserve

November 2011

Privileged & Confidential

Prepared by a Goldman Sachs sales and trading desk, which may have a position in the products mentioned that is inconsistent with the views expressed in this material. In evaluating this material, you should know that it could have been previously provided to other clients and/or internal Goldman Sachs personnel, who could have already acted on it. This material is not independent advice and is not a product of Global Investment Research.



Goldman Sachs

Business Overview

Business Overview

- Global Commodities provides financial and physical risk management solutions to a wide range of clients
  - — Corporate clients manage cash flow volatility and commodity price fluctuations from business operations
  - — Investors gain & manage exposure to commodities
- We also invest in commodity-related businesses with a focus on companies, in which our experience provides us with special expertise
- We have offices in 14 locations; 5 in developed markets, 9 in growth markets as we continue to expand our footprint

Product and Liquidity Overview

- We provide price risk management in the following types of commodities:
  - — Crude oil and refined products
  - — Power and natural gas
  - — Coal, freight, emissions and iron ore
  - — Base and precious metals
  - — Index products
  - — Agricultural products
- WTI, natural gas, copper and gold most liquid products
- US power, structured index products, coal, emissions and freight are less liquid

Core Client Types

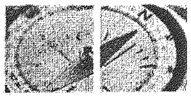
- We have over 1000 active clients, including producers, consumers, industrial users, central banks, pension funds, wealth managers and other financial institutions
- Client activity is up approximately 20% YoY, but down vs. pre-crisis levels due to increased competition and challenging macroeconomic conditions
- Corporate activity has declined in recent years; Institutional and Hedge Fund activity has grown relatively in size, now accounting for almost 50% of total activity (vs. 30% in 2007)

Competitor Overview

- Our competitors include regulated financial institutions, trading companies, utilities, hedge funds and private equity firms
- Key Financial Competitors :
  - — MS – historically our closest competitor
  - — JPM – aggressively growing business (Bear Stearns acquisition 2008 and Sempra from RBS 2010)
  - — Barclays – top tier player
  - — DB – mainly a financial player
- Commodity trading companies (e.g. Glencore, Trafigura) are newest entrants to financial markets and competing for our customers and people

Goldman Sachs

Key Franchise Products



We trade OTC forwards, options, swaps, structured and securitized products on a wide range of commodities. We also make use of futures and listed options markets when hedging client business

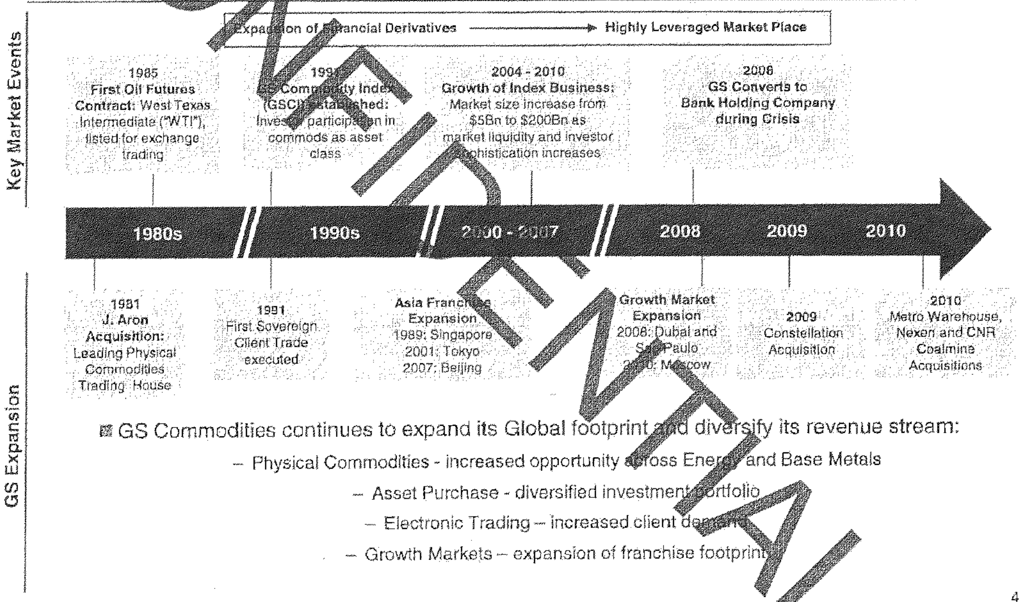
Product Group	Commodity	Physical* / Financial Settlement	Execution
Crude & Products	Crude oil, fuel oil, gasoil, heating oil & lights	Both	Voice
Gas, Power, Coal, Freight & Emissions	European, US & Australian power and gas, assorted freight routes & coal grades, EUAs, uranium	Both	Voice
Metals	Precious: Gold, silver & PGMs Base: Copper, aluminum, lead, nickel, zinc & tin	Both	Voice & Electronic
Investor Products	DJ-UBS & S&P GSCI indices, sub-indices & proprietary index products	Financial	Voice
Agricultural Products	Corn, wheat, soybeans, sugar, coffee, cocoa, rubber, palmoil, hogs & cattle	Both	Voice

Physical settlement includes on a back to back basis across various products

Goldman Sachs

Evolution of the Business

Timeline of Key Events and GS Expansion



Expansion of Financial Derivatives → Highly Leveraged Market Place

Key Market Events

1985
First Oil Futures Contract: West Texas Intermediate ("WTI"), listed for exchange trading

199[illegible]
GS Commodity Index (GSCI) established: Investor participation in commods as asset class

2004 - 2010
Growth of Index Business: Market size increase from $5Bn to $200Bn as market liquidity and investor sophistication increases

2008
GS Converts to Bank Holding Company during Crisis

GS Expansion

1981
J. Aron Acquisition: Leading Physical Commodities Trading House

1991
First Sovereign Client Trade executed

Asia Franchise Expansion
1989: Singapore
2001: Tokyo
2007: Beijing

Growth Market Expansion
2008: Dubai and Sao Paulo
2010: Moscow

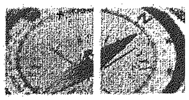
2009
Constellation Acquisition

2010
Metro Warehouse, Nexen and CNR Coalmine Acquisitions

- GS Commodities continues to expand its Global footprint and diversify its revenue stream:
  - Physical Commodities - increased opportunity across Energy and Base Metals
  - Asset Purchase - diversified investment portfolio
  - Electronic Trading – increased client demand
  - Growth Markets – expansion of franchise footprint

Goldman Sachs

Historical Trading Performance



Redacted By

Permanent Subcommittee on Investigations

Key Themes

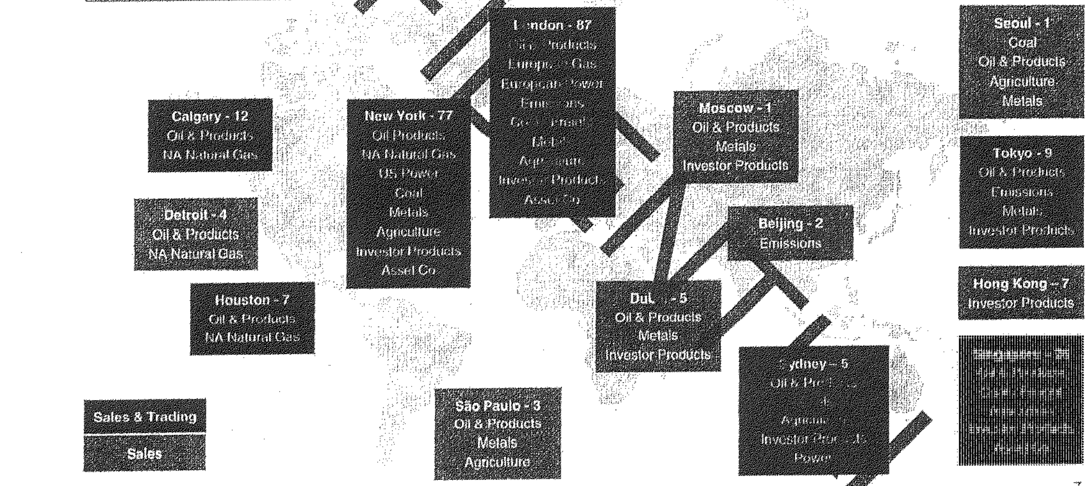
- Commodities revenue CAGR of 8% from 2005 ($1.4Bn) to 2011 (annualized revenues $2.2Bn); HC CAGR over same period of 4%
- We have moved from being an energy-focused derivatives business (62% of revenues in 2005 to 43% in 2011) to a more diversified model
- In response to changing client demands, the business has expanded into new products and markets, including:
  - —Physical Coal
  - —Agriculture Products
  - —Growth Markets
  - —Electronic market making
- This year the challenging macro environment has impacted performance, with commodity prices being more correlated to broader market events than fundamentals

Page(s)
Redacted By The
Permanent Subcommittee
on Investigations

Goldman Sachs

Regional Locations and Product Coverage

Global Commodities Head – Isabelle Ealet
- Global Trading - Greg Agran / Magid Shenouda
- Global Sales - Peter O'Hagan
- Global Principalling: Shameek Konar / Jacques Gabillon
- Global Strategy - Dan Sharfman



Calgary - 12
Oil & Products
NA Natural Gas

Detroit - 4
Oil & Products
NA Natural Gas

Houston - 7
Oil & Products
NA Natural Gas

New York - 77
Oil Products
NA Natural Gas
US Power
Coal
Metals
Agriculture
Investor Products
Asset Co

London - 87
Oil Products
European Gas
European Power
Emissions
[illegible]
Metals
Agriculture
Investor Products
Asset Co

São Paulo - 3
Oil & Products
Metals
Agriculture

Moscow - 1
Oil & Products
Metals
Investor Products

Beijing - 2
Emissions

Dubai - 5
Oil & Products
Metals
Investor Products

Sydney – 5
Oil & Products
[illegible]
Agriculture
Investor Products
Power

Seoul - 1
Coal
Oil & Products
Agriculture
Metals

Tokyo - 9
Oil & Products
Emissions
Metals
Investor Products

Hong Kong – 7
Investor Products

[illegible]

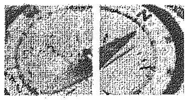
Sales & Trading

Sales

Page(s)
Redacted By The
Permanent Subcommittee
on Investigations

Goldman Sachs

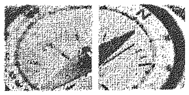
Asset Co



- Capitalize on specialized market knowledge, providing substantial return on investment, while enhancing the overall commodities franchise
- Our diversified Investment Portfolio includes Mining & Metal, Power, Shipping and Oil & Gas companies, with current carry value across all assets estimated at ~$[illegible].8Bn
- Significant investments are:
  - CNR (Colombian thermal coal mine)
  - Metro International (global LME warehouse operator)
  - Cogentrix Energy (wholly-owned subsidiary of GS focused on developing and operating power plants)
  - Nexen (North American natural gas marketing business): integrated into sales and trading activities
  - Constellation (US utility & trading business): acquired trading positions in gas, power, coal & freight in 2009

Goldman Sachs

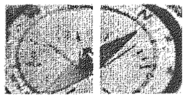
Business Risks & Challenges



Market Environment	- Margin Compression - Growing Concern on Economic Slow Down
Competition	- Continued Push by Banks into Commodities - Increased competition from Trading Houses, Majors and Utilities
People Retention	- Attracting and Retaining Talent given Competitive Pressures from Banks and Trading Houses
Regulation Uncertainty	- Dodd Frank - Volcker - 4(o) - MIFID 2

Goldman Sachs

Strategic Initiatives



Geographical Expansio

- Continued Strategic Expansion of Franchise
  - *Australia: Power Offering*
  - *Houston: Oil Physical Offering*
  - *Growth Markets Footprint: Brazil, MENA*
- Coordinated Global Divisional Strategy

Electronic Trading

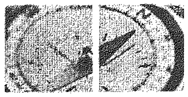
- Efficient Liquidity Aggregation
- Cost Efficiency
- Client Demand

Physical Expansion

- Expand Franchise Footprint
- Business Model Diversification
- Access to Liquidity
- Credit Mitigant
- Investment in Assets / Infrastructure

Goldman Sachs

Business Line Revenue Drivers



	Business Driver[1]	Expected Impact on Business
Client Activity	Trading Volumes	Favorable impact expected
	Flow of Funds	Favorable impact expected
Market Environment	Volatility	Favorable impact expected
	Competition	Unfavorable impact expected
	Interest Rates	Uncertain impact expected
Industry Trends	Regulatory Environment	Uncertain impact

---

[1] Assuming an increase in each of the business drivers

Goldman Sachs

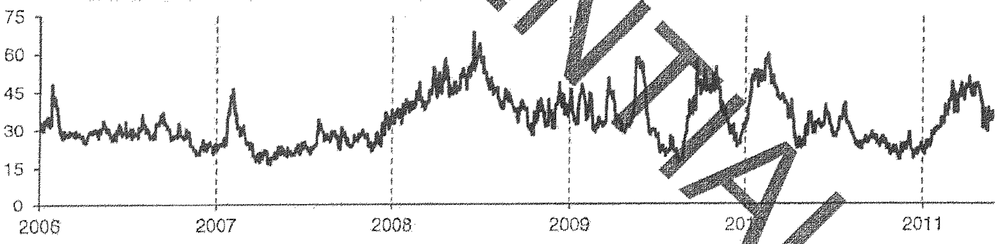
Risk Management Framework

- VaR is key metric for risk management
  - — VaR limit is for Commodities business in aggregate; no risk limits for individual risk stripes or traders
  - — Daily VaR report by trader prepared daily
- Trading management oversee risk using Real Time Risk and continual dialogue with traders
- Top sheet management
- Return on MPE used to manage credit risk (informal)

Redacted By The Permanent Subcommittee on Investigations

- Weekly meeting with Mike Stanley and team to manage CVA
- Divisional Risk Committee and Firmwide Risk Committee meet weekly for risk and market environment discussions

Global VaR Trend



Confidential Treatment Requested

JPMORGAN CHASE & CO.

Request to modify a commitment made by JPMorgan Chase & Co. in connection with its notice to, and approval by, the Federal Reserve to engage in energy tolling

JPMorgan Chase & Co. ("JPM Chase") respectfully submits a request for modification of a commitment made by JPM Chase in connection with the approval by the Board of JPM Chase's application for complementary authority to enter into physically settled energy tolling agreements with power plant owners ("Energy Tolling"). JPM Chase is requesting a modification to permit it to apply netting with respect to Energy Tolling rights that are assigned to unaffiliated third parties in calculating its compliance with the aggregate limit on the value of its holdings of physical commodities and the value of its rights under Energy Tolling agreements that is included in JPM Chase's commitments to the Board.

SUBMITTED

July 5, 2011

I. Introduction

By letter dated June 30, 2010 (the "Approval Letter"), the Board approved JPM Chase's notice to engage in Energy Tolling and other complementary activities.[1] By a separate prior order, the Board has permitted JPM Chase to take physical delivery of certain commodities ("Physical Commodity Trading"), which is also a complementary activity.[2] The Board's approval to engage in Energy Tolling is subject to JPM Chase's commitment to include the present value of all capacity payments to be made by JPM Chase in connection with Energy Tolling agreements in calculating its compliance with the limit of 5 percent of JPM Chase's tier 1 capital on the aggregate market value of physical commodities that JPM Chase and any of its subsidiaries hold at any one time as a result of Physical Commodity Trading (the "5% Limit").[3] As described in the Approval Letter, capacity payments are periodic payments made by the buyer, or toller, of an Energy Tolling agreement to the power plant owner, or seller, in order to compensate the power plant owner for its fixed costs for a period of time, in exchange for the right to all or a part of a plant's energy or energy capacity for a period of time.

According to the Approval Letter, the 5% Limit is designed to limit JPM Chase's exposure to commodity price risk arising from ownership of physical commodities. The RBS Order also indicates that the purpose of this requirement with respect to Energy Tolling agreements is to limit the degree to which an FHC may be exposed to the risk that the FHC may not be able to recover its capacity payments in the event that producing energy at the relevant power plant is uneconomical at the relevant strike price and to ensure that Energy Tolling and Physical Commodity Trading remain limited in size and scope relative to the FHC's financial activities.[4]

---

[1] Complementary activities, or activities engaged in pursuant to complementary authority, are activities that the Board determines, by order, to be complementary to financial activities that are permissible for financial holding companies ("FHCs") and not to pose a substantial risk to the safety or soundness of depository institutions or the financial system generally. Therefore, subject to any commitments to the Board made in connection with applications to engage in such activities, such complementary activities are permissible for FHCs that obtain appropriate Board authorization.

[2] JPMorgan Chase & Co., 92 Federal Reserve Bulletin C57 (2006).

[3] The Board has previously determined that Energy Tolling is a permissible complementary activity. *See* The Royal Bank of Scotland Group plc, 94 Federal Reserve Bulletin C60 at C65 (2008) (the "RBS Order").

[4] *See* RBS Order at C65.

II. Netting of Energy Tolling Transactions

JPM Chase respectfully requests that the Board permit it to exclude from its calculation of the 5% Limit the value of its rights under Energy Tolling agreements to the extent that JPM Chase has effectively assigned its rights to a power plant's energy or energy capacity obtained under such Energy Tolling agreements to an unaffiliated third party. JPM Chase believes that to the extent this assignment, or re-tolling ("Re-Tolling"), of Energy Tolling agreements assigns all relevant risks away from JPM Chase and does not result in JPM Chase holding rights to receive physical commodities, Re-Tolled Energy Tolling agreements should not count towards the 5% Limit.

A. Description of Re-Tolling Transactions

As part of its global commodities business, JPM Chase, from time to time, re-tolls the energy tolling rights and obligations (the "Re-Tolled Rights") of certain Energy Tolling agreements that it has previously purchased. In a re-tolling transaction, the right to the energy or energy capacity of a power plant and the obligation to provide fuel to the power plant are assigned to the re-toll buyer, but JPM Chase remains obligated to make capacity payments to the power plant. The buyer pays JPM Chase for the Re-Tolled Rights in a similar manner to the capacity payments that JPM Chase pays to power plant owners under its Energy Tolling agreements; however, with respect to a given Energy Tolling agreement, JPM Chase's capacity payments and the payments it receives under the re-tolling agreement do not necessarily offset dollar for dollar, which may occur for a number of reasons. For example, the re-toll may occur at a later time than JPM Chase's original Energy Tolling transaction, such that the market prices of energy and fuel have changed, which would result in a re-toll buyer agreeing to pay a different price for the Re-Tolled Rights than JPM Chase agreed to pay as a capacity payment under the Energy Tolling agreement. Alternatively, JPM Chase may choose to re-toll only a portion of the minimum available energy capacity tolled under its original Energy Tolling agreement.

However, it should be emphasized that in a re-tolling transaction JPM Chase transfers to the re-toll buyer all of the rights and obligations with respect to the re-tolled energy capacity that JPM Chase was granted under the original tolling agreement, including the right to take physical delivery of energy, even in circumstances where less than the entire energy capacity tolled under JPM Chase's original tolling agreement is re-tolled.

B. Netting Methodology and Effect of Netting on 5% Limit

JPM Chase proposes that the present value[5] of future committed receivables from re-toll buyers with respect to Re-Tolled Rights be netted out from the present value of future committed capacity payments under Energy Tolling agreements in calculating the 5% Limit. In those circumstances where capacity payments under the original tolling agreement and the receivables under the re-tolling agreement will not offset exactly, JPM Chase would continue to apply the difference, if any, toward the 5% Limit. For example, if the present value of JPM Chase's capacity payments to the power plant owner is $10 and the present value of the re-toll receivables is $8, JPM Chase would continue to apply the $2 difference against the 5% Limit. Alternatively, if the present value of JPM Chase's capacity payments to the power plant owner is $10 and the present value of the re-toll receivables is $12, JPM Chase would not apply any amount to the 5% Limit. Similarly, if the re-toller defaults on its obligation to pay JPM Chase under the re-tolling agreement and forfeits its rights to the re-tolled energy capacity, JPM Chase would again apply the entire amount of its future committed capacity payments against the 5% Limit.

Based on JPM Chase's Energy Tolling and re-tolling activities, the present value of all capacity payments calculated without use of the requested netting methodology was $2.355B on May 31, 2011, and with the use of netting such present value was $2.080B on such date. These amounts represent 1.6% (without netting) and 1.4% (with netting) of JPM Chase's current tier 1 capital, respectively.

C. Transfer of Risk

Once JPM Chase assigns the Re-Tolled Rights to a re-toll buyer, it bears no risk, including commodity price risk, in connection with the physical energy or energy capacity associated with the Re-Tolled Rights. As discussed above, when JPM Chase re-tolls an Energy Tolling agreement, all rights to purchase energy or energy capacity and to take physical delivery of energy from a power plant owner are transferred to the re-toll buyer. Thereafter, JPM Chase no longer bears the risk that producing energy at the Energy Tolling agreement's strike price will prove uneconomical and that the portion of its capacity payment offset by the re-toll buyer's future payments will not be recovered.

---

[5] The 5% Limit calculation calls for JPM Chase to calculate the present value of future capacity payments. As JPM Chase has discussed with Board staff, because the capacity payments represent JPM Chase's contractual liability, the discount rate JPM Chase uses is the sum of LIBOR and JPM Chase's credit spread as reflected in the CDS market. CDS spreads are appropriate for discounting purposes, as they are the best representation of JPM Chase's pure credit risk and they are the most transparent and observable spreads available in the market. JPM Chase uses the CDS spread corresponding to the tenor of the capacity payment obligation and the bid side of the market. JPM Chase would apply the same methodology to calculating the present value of future receivables from re-toll buyers for the purposes of netting such payments against capacity payments.

In fact, after JPM Chase re-tolls an Energy Tolling agreement, its only risk with respect to recovering that portion of its capacity payment that is covered by the receivables from the re-toller is the credit risk associated with the re-toller. Taking on credit risk is traditionally associated with financial activities, and therefore JPM Chase respectfully submits that the Board should not be concerned that by netting out payments associated with Re-Tolled Rights from the 5% Limit JPM Chase would expand its complementary activities relative to its financial activities. Because the risks of taking delivery of energy and paying for the right to produce it are assigned to the re-toll buyer, and therefore do not represent present or future exposure of JPM Chase to physical commodity prices, Re-Tolled Rights should not be applied to the 5% Limit.

D. Netting Is Used in Other Regulatory Contexts

FHCs and other bank holding companies already use netting techniques to calculate compliance in a number of other regulatory contexts. For example, netting is permitted in determining the credit equivalent amount of derivatives that are included in a BHC's banking book under Basel I.[6] Netting may also be used to calculate risk-based capital requirements for over-the-counter derivatives under Basel II[7] and netting of long and short positions is permitted in certain circumstances in connection with calculating the risk weight of a BHC's positions in securities and derivatives under the Market Risk Measure of capital adequacy.[8] Netting long and short positions may also be used by Edge Corporations in connection with complying with the limitation on acquiring equity securities pursuant to the authority provided by the Board's Regulation K.[9]

Furthermore, it would be consistent with regulatory practice in other circumstances to use netting techniques to evaluate the true impact of Energy Tolling and re-tolling transactions on JPM Chase. In the contexts described above, the Board has recognized that taking short positions reduces the risk of holding and trading securities and derivatives. Re-tolling is very similar to hedging long positions with short positions in connection with trading physically settled commodity derivatives. This is because, as the Board has recognized, the risks associated with Energy Tolling are very similar to the risks that physical energy traders such as JPM Chase manage when they trade.[10] In the Energy Tolling context, by transferring the risk of commodity price changes to the re-toll buyer, re-tolling serves a similar exposure management purpose as taking short positions in commodity derivatives serves in conventional commodity derivatives trading.

---

[6] See 12 C.F.R. Part 225, Appendix A.III.E.3. The ability to net is subject to certain documentation and legal enforceability requirements.

[7] See 12 C.F.R. Part 225 Appendix G Section 32(c)(6). The ability to net is subject to certain conditions.

[8] See 12 C.F.R. Part 225 Appendix E Section 5(c)(1)(ii) and (c)(2)(ii). The ability to net is subject to the netted positions being in identical issues of securities or indices.

[9] See 12 C.F.R. § 211.10(a)(15)(iv)(1).

III. Suggested Commitment Language

JPM Chase proposes amending commitment #6 in the Approval Letter by adding the following language at its end:

"When calculating the value of any Energy Tolling agreement held by JPM Chase, JPM Chase will include only the value of future committed capacity payments that are not offset by payments due to JPM Chase from an unaffiliated third party under an agreement pursuant to which JPM Chase re-tolls some or all of its rights to energy capacity under the Energy Tolling agreement for so long as the re-toller is not in default."

IV. Conclusion

For the reasons set forth above, JPM Chase respectfully requests that the commitment made in connection with engaging in Energy Tolling to include the present value of its rights under Energy Tolling Agreements in calculating its compliance with the 5% Limit be modified to permit JPM Chase to net the value of Re-Tolled Rights against the capacity payments under relevant Energy Tolling agreements, as described above in Section II. JPM Chase has suggested commitment language that would modify the Energy Tolling commitment in a manner consistent with the requested changes in methodology in Section III above. JPM Chase believes that this commitment modification is consistent with Board precedent and the BHCA and also reflects the risks and economic impact of Energy Tolling and re-tolling more accurately than the approach that is used pursuant to the currently effective commitment.

---

[10] As the Board stated in the RBS Order, entering into an Energy Tolling agreement as a buyer has a similar economic effect to purchasing a call option on the electrical energy or energy capacity produced by a power plant with a strike price based on fuel and power prices. RBS Order at C64.

Board of Governors
of the
Federal Reserve System

Responses to Requests for Additional Information

Further to our submission on December 2, 2011, we have set forth below in full the questions you provided on October 26, 2011 followed by our responses with respect to asphalt, cutter stock, and straight run fuel. We also provide additional information with respect to marine diesel.

1. Are there alternative trading platforms (ATPs) for the non-CFTC approved commodities?

Asphalt, cutter stock, and straight run fuel are not traded on ATPs. They are traded OTC bi-laterally in the broker markets via voice and instant messaging. Physical transactions in these products are priced in reference to liquid, widely traded indices, as are the derivatives in respect of related oil products that are used to hedge physical trades in these products. Thus, straight run fuel is usually priced as a differential to either WTI or Brent crude oil. Cutter stocks can be priced in relation to NYMEX No. 2 heating oil or as a differential to Platts' published residual fuel oil. Marine diesel is priced off of NYMEX heating oil. Asphalt is priced usually against an Argus assessment of prevailing market prices.

There are approximately 20 brokers in marine diesel. The major brokers include Brooklyn Oil, Star Supply and Millennium. The major brokers for cutter stock and straight run fuel are TFS, Icap, Tullet Prebon, AE Bruggemann & CO and Prime Energy. These brokers also are involved in asphalt.

2. What information can you provide to support that a "reasonably liquid market exists" for each product for which you seek complementary authority?

Please see the volume and pricing information below, which establish that there is a reasonably liquid market for these commodities.

a. What is the trade volume for each product for which you seek complementary authority?

Below are the average daily trading volumes for asphalt, cutter stock and straight run fuel.

Product	Approximate Barrels/Day	Market Notes
Asphalt	15,000	Liquidity is relatively constant

Cutter Stock	15,000	Liquidity is relatively constant
Straight Run Fuel	30,000	Liquidity is relatively constant
Marine Diesel	50,000	Liquidity is relatively constant

The trading volumes for these commodities were determined through information gathered from the OTC trading market. For all the commodities for which we seek complementary authority, JPMC's trade volumes are determined based on internal requirements and market conditions. Trade volumes are included in daily risk reports.

b. If trade volume is not available, what reliable production statistics can you provide that demonstrate the market in each product for which you seek complementary authority?

Not applicable. Please see the trading figures and pricing information provided above and below, respectively.

c. Is the daily or intraday price data for each commodity at issue published and if so, where? If not, where is this information available?

Reliable independent price data is available on each commodity:

- Asphalt : pricing is available weekly through a publication by Argus
- Cutter stock – pricing is marked as a differential against No.2 Heating Oil Gulf Coast Water Bourne – end of day settlement prices published by Platts daily. All JPMC traders and middle office staff (including risk managers and controllers) have access to these Platts pricing reports.
- Straight run fuel: Pricing is marked as a differential against No.6, 3% Sulfur Fuel Oil – end of day settlement prices published by Platts daily. All JPMC traders and middle office staff (including risk managers and controllers) have access to these Platts pricing reports.

3. What information can you provide about the number of market makers who stand ready to buy and sell asphalt, cutter stock, straight run fuel and marine diesel each day at published bid and

offer quotations?

There are approximately 25-50 market participants who actively trade on a daily basis in the markets for asphalt, cutter stock and straight run fuel and who stand ready to buy and sell each commodity each day.

There are approximately 10-15 market participants who actively trade in the market for marine diesel and who stand ready to buy and sell each commodity each day. Active 2-way marine diesel traders include Morgan Stanley, Vitol, Glencore, Trafigura and Noble.

4. **How long would it take for JPMC to eliminate its supplies of asphalt, cutter stock and straight run fuel given the trading limits that have been proposed?**

The table below sets forth the amount of time that would be necessary to eliminate supplies of each product, without offering a significant discount to the market price. Note, however, that for each of these commodities, prices are sensitive to supply increases. Storage facilities and a reduction of imports could absorb excess supply.

Product	Proposed Trading Limit	Time Period (Approx.)
Asphalt	284,000 barrels	20 days
Cutter Stock	250,000 barrels	15 days
Straight Run Fuel	800,000 barrels	25 days

As demonstrated above, there is an active trading market in each of these commodities, and JPMC would limit its position in each commodity relative to the market. JPMC's trading limits would allow it to eliminate its positions in the commodities in a short time frame even without offering a significant discount to the market price.

JPMorgan Chase & Co.

Kathleen A. Juhase
Sr. Vice President & Associate General Counsel
Legal and Compliance Department

August 16, 2012

Federal Reserve Bank of New York
33 Liberty Street
New York, NY 10045

Attention: Mr. Ivan Hurwitz

Dear Mr. Hurwitz:

As part of the transaction in which JPMorgan Chase & Co. ("JPMC") acquired the RBS Sempra commodities business, JPMC acquired Henry Bath & Son Limited ("Henry Bath"). Henry Bath engages in operating storage facilities for base metals and certain other commodities for third parties. The Board of Governors of the Federal Reserve (the "Board") has not determined such activity to be financial in nature. As a result, JPMC has held its interest in Henry Bath as a grandfathered activity in accordance with the provisions of Regulation Y. The permissible initial grandfathering period expired on July 1, 2012. JPMC submitted a letter to the Board on June 29, 2012 requesting an additional one year extension of such period. Based on subsequent conversations with Board staff, JPMC is submitting this revised extension request letter requesting a three year extension of the grandfathering period, such period to end June 30, 2015.

JPMC requests confidential treatment of the JPMC specific business information set forth above, as well as of the fact that JPMC has made this request pursuant to the Freedom of Information Act, 5 U.S.C. 552 (b) (4) (the "Act") and the regulations promulgated by the Board thereunder. Information contained herein is not publicly available and concerns proprietary JPMC data. Disclosure could cause substantial injury to the competitive position of JPMC and its affiliates meeting the substantial competitive harm tests set down in judicial interpretations of the Act.

JPMorgan Chase & Co. • 270 Park Avenue, 38th Floor, New York, NY 10017
Telephone: 212 270 5907 • Facsimile: 212 270 2873
juhase_kathleen@jpmorgan.com

We appreciate your attention to this grandfathering request and are available to answer any questions you have as you consider this request. Please direct questions relating to this request to Mark Lenczowski at (212) 648-0285 or Kathleen Juhase at (212) 270-5907.

Very truly yours,

Kathleen A.

Cc. Dianne Dobbeck
Michael Waldron

2010 CA QUARTERLY SUMMARY
Global Commodities Group
3rd Quarter

LEVEL 1	Investment Bank	AMT	Hurst, Pat
LEVEL 2	GCG	AMT DIRECT	Yormack, Ellen E.
QUARTER	3	STATUS	Approved

SUMMARY OF ACTIVITIES

STAKEHOLDER MEETINGS

Key Stakeholders: Regular meetings with FO (Posoli, Eyles, Kelly, Clift, Dunleavey, Dawe, [illegible], Wilson, Xiuzhang, Sinclair), Business Managers (Gupta, Mitchel-Inness, [illegible], [illegible], Shannon, Chawla, Ogura), CFO (Hines, Burke, Sunderman, Chakravarti), Technology (Gibson, Weinstein, Stolte, Moss, Howie, Reeves), Operations (Ambrecht, Bell, Coignard, [illegible]) and Compliance (Baines) to understand key business projects and strategies to adapt to the changing market conditions and manage P&L volatility, control issues, new business initiatives and systems implementations and changes.

BCCs: Global Commodities, Commodity Exotics, Energy, Metals & Proprietary Trading & Asia Commodities BCCs.
Key attendees include head of desk, head of operations and technology, CFO, business managers, compliance, legal, credit and market risk representatives and audit. Main items discussed include:

▬ = Redacted by the Permanent Subcommittee on Investigations

[redacted]

RBS-Sempra Acquisition:
Acquisition of RBS-Sempra JV businesses (Global Oil, Metals, Softs, Plastics, Coal, Concentrates, Investors Products and European Power and Gas) was completed on 1 July 2010, with futures and cleared OTC trades, physical metal client trades and physical inventory migrated to JPM legal entities on Day 1. Post closure of the acquisition, Audit continue to monitor and perform targetted continuous auditing on the progress of the integration, including strategic operating model, system migrations, trade novations, personnel changes, etc. through continuous auditing process.

Subsequent to the quarter end, on 7 October 2010 JPMorgan announced the acquisition of RBS-Sempra's NA Gas & Power assets' portfolio. The transaction covers gas and power related structured assets, tolling agreements, storage, transport and OTC and exchange trading positions. The anticipated effective date of the acquisition is 1 December 2010.

Commodities Proprietary Trading:
During the quarter, in response to changes in US regulations, it was announced that commodities prop trading would be stopped and the desk split up. The traders were put at risk and the head of desk Ray Eyles will move to Asia to head up the Asia commodities business when Oral Dawe retires at the year end.

NBIA Working Group Meetings: the following NBIAs were in the pipeline and/or approved during 2Q2010:

Approved:

Global Physical LNG [Risk Rating: 1] - approved on 16 July 2010;
China Wholly Foreign Owned Entity (WFOE) NBIA [Asia; Risk Rating: 2] - approved on 14 September 2010;

New York Gold Vault recommissioning NBIA [Asia, Risk Rating: 2] - approved on 31 August 2010.
Singapore Gold Vault NBIA [Asia, Risk Rating: 2] - approved on 22 September 2010.

NBIAs in pipeline:
Electronic Market Making [Risk Rating: 2] - to offer precious metals, index products, crude oil

OTC look-alike swaps and new product functionality over a variety of Electronic platforms and to enhance Exchange Traded Funds Arbitrage opportunities. Electronic Market Making is currently conducting a pilot of this initiative by trading spot gold;

Grain Inventory Financing [Asia/Americas, Risk Rating: 2] - to provide an inventory finance solution for harvested wheat that is stored in independent third party storage facilities. The finance is to be provided via Repo transaction for a maximum tenor of 9 months;

Trading Source (PLC) ETCs [EMEA, Risk Rating: 3] - to estabisih JPM as an authorised participant for source ETCs. The NBIA has been completed and circulated for approval;

GCG Thailand onshore commodities booking [Asia/EMEA, Risk Rating: 3] - to expand trading capability and customer base in Thailand. The business is proposing to leverage the Kapital/[illegible] infrastructure which will allow onshore booking of commodity derivatives products with agricultural underlyers;

Korea On-Shore Marketing [Asia, Risk Rating: 3] - to establish on-shore Sales and Marketing activities of OTC commodities in Korea;

Korea LME Brokerage [Asia, Risk Rating: 3] - new business in connection with migration of the h-RBSS/LME brokerage business into JPMSFE.

Redacted By

Permanent Subcommittee on Investigations

Page(s)
Redacted By The
Permanent Subcommittee
on Investigations

CONFIDENTIAL TREATMENT REQUESTED

NOTICE

to the

BOARD OF GOVERNORS OF THE
FEDERAL RESERVE SYSTEM

by

JPMORGAN CHASE & CO.

Pursuant to Section 4(k)(1)(B) of the
Bank Holding Company Act of 1956,
as amended, and
12 C.F.R. § 225.89

Submitted
June 8, 2011

NOTICE
to the
BOARD OF GOVERNORS OF THE
FEDERAL RESERVE SYSTEM
by
JPMORGAN CHASE & CO.

June 8, 2011

INDEX

	Page
Notice to the Board of Governors of the Federal Reserve System by JPMorgan Chase & Co. Pursuant to Section 4(k)(1)(B) of the Bank Holding Company Act of 1956, as amended, and 12 C.F.R. § 225.89	1
Confidential Annexes	Tab
List of Henry Bath's Current LME Warehouse Locations	A
Policies and Procedures Chart	B
Risk Controls Matrix	C
Warehousekeepers Liability Insurance Policy	D
Chinese Wall and Confidentiality Policy	E
Information Regarding Key Personnel	F

NOTICE
to the
BOARD OF GOVERNORS OF THE FEDERAL RESERVE SYSTEM
(the "*Board*")
by

JPMORGAN CHASE & CO.

Pursuant to Section 4(k)(1)(B) of the
Bank Holding Company Act of 1956,
as amended (the "*BHC Act*"), and
Section 225.89 of the Board's Regulation Y

JPMorgan Chase & Co. ("*JPM Chase*" or the "*Company*") respectfully gives notice to the Board, pursuant to Section 4(k)(1)(B) of the BHC Act, of its proposal to continue to engage in the activity of providing storage for certain commodities that are traded on the London Metal Exchange ("*LME*") by operating LME-licensed warehouses, as further described in Section II.A below ("*LME Warehousing*"), through its indirect, wholly owned subsidiary, Henry Bath & Son Limited ("*Henry Bath*"). JPM Chase currently engages in the proposed activities in reliance on Section 225.85(a)(3) of Regulation Y, which allows a financial holding company to acquire a company engaged in limited nonfinancial activities if the financial holding company conforms, terminates, or divests the nonfinancial activities within two years of the date of acquisition. JPM Chase submits that LME Warehousing is an activity that is complementary to a financial activity under Section 4(k)(1)(B) of the BHC Act, does not pose a substantial risk to the safety or soundness of depository institutions or the financial system generally, and produces benefits to the public that outweigh possible adverse effects. Accordingly, JPM Chase respectfully requests the Board's approval under Section 225.89 of the Board's Regulation Y to engage in LME Warehousing as an activity complementary to financial activities.

I. Background

A. JPMorgan Chase & Co.

JPM Chase is a financial holding company engaged primarily in banking, investment banking and asset management. Its lead subsidiary bank, JPMorgan Chase Bank, N.A. ("*JPMCB*"), is a national bank chartered by the Office of the Comptroller of the Currency (the "*OCC*") that offers a wide range of retail and wholesale banking services to its customers, both domestically and internationally.

JPMCB is one of the world's leading derivatives dealers, including commodity derivatives. JPMCB engages in financially settled swaps, options, forwards and structured transactions involving base and precious metals, crude oil and crude oil-based products, natural gas, agricultural and soft commodities, and commodity indices.

In addition, through its indirect nonbank subsidiary, J.P. Morgan Ventures Energy Corporation ("*JPMVEC*"), JPM Chase engages as principal in commodity derivative transactions and physical commodity transactions, with a current principal focus on energy-related commodities. JPM Chase currently has approximately 550 front office employees involved in commodities trading activities.

B. Acquisition from Sempra

On July 1, 2010, JPM Chase completed its acquisition of RBS Sempra Commodities' global oil, global metals, global coal, European power and gas, and non-U.S. emissions assets. As a result of the acquisition, JPM Chase significantly increased the number of corporate clients to whom its commodities business provides services and further expanded the geographic reach of this business. In connection with this transaction, JPM Chase recently received approval of the Board to engage in energy tolling and energy management activities as complementary to financial activities.[1]

The global metals business acquired by JPM Chase from RBS Sempra Commodities included Henry Bath, a U.K. company that is one of the largest operators of LME-approved warehouses for the storage of metals traded on the LME. The assets and businesses acquired from RBS Sempra Commodities are being integrated into JPM Chase's existing commodities business, and, as part of that process, Henry Bath has become a direct subsidiary of JPMVEC.[2]

C. The London Metal Exchange

The LME is a commodities exchange that offers a range of futures and options contracts for non-ferrous and minor metals and steel. The LME provides a transparent forum for trading in commodities listed on the exchange and, as a result, serves as the major price discovery mechanism for many of the commodities it lists. Because of the depth of market liquidity at the LME, LME prices are recognized and relied upon by industry throughout the world.

In addition, the LME acts as a market of "last resort" for the purchase and sale of physical commodities. Producers and consumers of commodities listed on the exchange can use the LME's delivery option to sell excess stock in times of over-supply and as a source of material in times of extreme shortage. However, only a very small

---

[1] *See* Letter to Kathryn V. McCulloch, Esq., dated June 30, 2010.

[2] JPM Chase acquired RBS Sempra Commodities' global oil, global metals, global coal, European power and gas, and non-U.S. emissions assets in reliance on Section 225.85(a)(3) of Regulation Y, which allows a financial holding company to acquire a company engaged in limited nonfinancial activities if the financial holding company conforms, terminates, or divests the nonfinancial activities within two years of the date of acquisition. Because Henry Bath was acquired as part of this transaction, JPM Chase currently holds Henry Bath in reliance on this exception.

percentage of trades on the LME result in physical delivery, as most organizations use the LME for hedging purposes. Nonetheless, the small percentage of trades that do result in delivery play a vital role in creating price convergence. The LME's physical delivery mechanism allows metal bought or sold at the underlying physical market price to be delivered to or from the LME metal contracts, thereby presenting an arbitrage opportunity and an efficient mechanism in establishing price convergence between the underlying physical metal price and the LME price. The LME also publishes a global stock report of all metals daily, showing opening stock, receipts in, deliveries out, closing stock and cancelled stock (stock scheduled for delivery out) over the previous 24-hour working day. These published stocks act as a barometer of supply and demand fundamentals, aiding the price discovery process.

The LME approves and licenses a network of warehouses and storage facilities around the world, which are all approved delivery locations under LME futures contracts. Warehouse companies must meet strict criteria before they are approved for the handling of LME non-ferrous metals or steel as a licensed LME warehouse. LME-approved delivery locations are typically in areas of net consumption and serve as logistical hubs for the shipment of materials. The LME has a formal policy and guidelines on the selection of new delivery points.

Every commodities contract traded on the LME is subject to a number of conditions imposed by the exchange, including the following. First, every contract traded on the LME must be with respect to metals approved by the LME and conform to a range of specifications as to quality, shape, and weight. Second, every contract that is not later offset by a corresponding opposite sale or purchase of an LME contract, for the same commodity for the same delivery date, is required to be settled by physical delivery on the date specified in the contract. Finally, contracts must allow for satisfaction of the delivery obligation under the contract by transfer of an LME warehouse-issued "warrant" (an "*LME Warrant*").

LME warehouses are critical to the functioning of the LME. When a commodity is deposited at an LME warehouse, the warehouse operator issues an LME Warrant to the depositor. Each LME Warrant is issued through a centralized electronic system when the LME warehouse sends instructions to issue the warrant. The LME Warrant certifies the existence of the commodity that was deposited at the warehouse, including the location, tonnage, quality, shape, and weight, and represents title to the deposited commodity. When an LME Warrant is transferred from one party to another, title to the commodity on deposit at the warehouse that issued the warrant is transferred as well.

LME regulations govern the location and operation of LME warehouses. Before a warehouse location can be established, the LME will consider whether the warehouse would be in an area of net consumption for the particular metal that would be stored at the warehouse and whether the location is, or is reasonably capable of becoming a natural and logistically sound trading hub for the passage of the metal on to eventual points of consumption. The LME also considers whether the location is in a politically and economically stable environment, whether the jurisdiction satisfies the LME's fiscal (bonded storage), legal and regulatory requirements, and whether the warehouse might be in a jurisdiction prone to corruption.[3]

---

[3] *See* London Metal Exchange, LME Policy and Guidelines Regarding the Approval of Good Delivery Points (Sept. 2, 2009).

Each LME warehouse must enter into an agreement with the LME that subjects it to rules regarding warehousing practices, reporting requirements, and monitoring, and each LME warehouse is subject to disciplinary actions by the LME in the event of a breach of its obligations. An LME warehouse is permitted to accept for deposit only metals meeting the LME's approved specifications and that have been inspected by the LME-approved warehouse for compliance with LME weight, measure, and quality standards. Furthermore, LME warehouses also are required to report stock levels as well as the results of periodic inspections of warehouse stocks and weighing equipment. LME warehouses are subject to annual inspection by LME officials and audits of stocks and systems to ensure proper warehouse-keeping practices. All LME warehouse companies are subject to a full stock-taking audit and review of operating and security systems, as well as an on-site audit by an independent accounting firm.[4] These requirements are designed to ensure that LME warehouse companies operate efficiently and properly to support the market functions of the LME.

LME warehouses are required to report to the LME the level of stocks and stock movements as of 4:30 p.m. GMT each day. The reports must include all metal represented by LME warrants. The LME publishes collected stock level data at 9:00 a.m. GMT on the following day, and the data is made available publicly through international quote vendors. The publication of data regarding stock levels of LME-listed commodities serves as a measure of supply and demand for the commodities and the particular local markets. The LME prohibits LME warehouse companies and their employees from engaging in commodities trading activities and imposes confidentiality obligations on the handling and preparation of stock level data and other price-sensitive information.

---

[4] PricewaterhouseCoopers is the current independent auditor of Henry Bath for LME purposes.

The LME requires that LME warehouse companies maintain "firewalls" between the LME warehouse business and trading businesses of affiliated companies. The LME monitors LME warehouse companies that have affiliates to ensure that their firewall policies are adequate to maintain the confidentiality of this information. To ensure that all market participants have equal access to information about stock levels and other price-sensitive information, LME warehouse companies are under strict confidentiality requirements to not disclose such information, except to the LME in accordance with its regulations.

Major LME warehouse operators, in addition to Henry Bath, include C. Steinweg-Handelsveem BV ("*Steinweg*"), Metro International Trade Services LLC ("*Metro*"), Pacorini Metals AG ("*Pacorini*"), CWT Commodities (Metals) Pte Ltd ("*CWT*"), and North European Marine Services Ltd ("*NEMS*"). Historically, most warehouse operators were owned independently from producers, consumers, and trading houses. More recently, however, operators have been purchased by commodities traders and brokers. Goldman Sachs acquired Metro in February 2010, Trafigura, a commodities trader, acquired NEMS in March 2010, and Glencore International, a commodities trader, acquired Pacorini in September 2010.

D. Henry Bath

As noted above, JPM Chase acquired Henry Bath as part of the RBS Sempra transaction. Henry Bath is a company registered in the United Kingdom that is approved and licensed by the LME to operate warehouses to store the following commodities traded on the LME: copper, aluminum, aluminum alloy, nickel, tin, lead, zinc and steel billet. Henry Bath operates 80 LME warehouses across 17 locations worldwide, including in the United Kingdom, Europe, the Middle East, Asia, and the United States.

Henry Bath does not own any warehouse facilities and does not control any company that owns warehouse facilities. All Henry Bath warehouse facilities are leased from third parties. Furthermore, at 13 of the 17 locations, Henry Bath does not directly engage in the day-to-day operation of its warehouses.[5] Rather, Henry Bath enters into separate service agreements with third-party warehouse operators that perform the warehousing functions necessary for Henry Bath to satisfy its obligations to the LME and customers who store commodities at the warehouses. In all cases, Henry Bath remains obligated to the LME to ensure that the warehouses are operated in accordance with LME regulations. By structuring its operations in this fashion, Henry Bath is able to keep its fixed costs relatively low while retaining flexibility to increase or reduce space as market demand for storage fluctuates.

As of December 31, 2010, the LME warehouses of Henry Bath held approximately 695,000 metric tons of LME metals on LME Warrants worldwide, and in the U.S., LME warehouses of Henry Bath held approximately 312,000 metric tons of metals on LME Warrants, making it one of the largest LME metals warehousers in the United States. Worldwide, Henry Bath warehouses held approximately 8% of all metals stored on LME Warrants as of the same date.

---

[5] Specifically, one of Henry Bath's three U.S. LME warehouse locations (Baltimore) is managed directly by Henry Bath, and three of Henry Bath's thirteen non-U.S. LME warehouse locations (Liverpool, Rotterdam and Singapore) have warehouses directly managed by Henry Bath.

Henry Bath's core business is the operation of LME Warehousing. In addition to its LME warehouses, Henry Bath operates a limited number of warehouses licensed by NYSE Liffe ("*Liffe*") or IntercontinentalExchange ("*ICE*"), each a commodities exchange, for the storage of coffee and cocoa on exchange-traded bearer warrants. In each case, Henry Bath issues warrants approved by the relevant exchange that may be delivered in satisfaction of a commodities contract on the exchange.

Operating these warehouses serves the same price convergence function with respect to these commodities as does the operation of its LME warehouses. Of Henry Bath's 40 warehouses that are licensed for storage of coffee and cocoa by Liffe or ICE, 33 are also LME-licensed warehouses for LME-traded metals. As of December 31, 2010, Henry Bath held approximately 26,000 metric tons of coffee and 31,000 metric tons of cocoa pursuant to Liffe or ICE warrants at its warehouses worldwide. Less than 15% of Henry Bath's annual gross revenues in 2010 were derived from the storage of Liffe- or ICE-approved coffee or cocoa and, by metric tons, such commodities accounted for only 7% of the total commodities stored by Henry Bath worldwide as of December 31, 2010.

It is customary for operators of LME warehouses to provide storage for commodities not on warrant as an accommodation to customers, and Henry Bath does so to a limited extent. A warehouse customer may choose to deposit metals at a Henry Bath warehouse that are not subject to an LME Warrant at the time they are deposited. The customer may later instruct Henry Bath to issue a warrant with respect to any such metals that conform to exchange requirements.[6]

---

[6] Commodities stored at Henry Bath warehouses that are not subject to a warrant may or may not conform to exchange requirements.

All but two Henry Bath warehouses are licensed by the LME or another exchange. At those two remaining warehouses, Henry Bath provides warehousing only for metals not stored on warrant.[7] Storage of off-warrant metals is completely ancillary to LME Warehousing in that Henry Bath will store off-warrant metals only with the expectation that those metals will go on warrant. Henry Bath does not store non-deliverable metal brands.

As of December 31, 2010, Henry Bath held approximately 4[illegible],000 metric tons of metals not on warrant at its warehouses worldwide. Less than 5% of Henry Bath's annual gross revenues in 2010 were derived from the storage of metals not on warrant, and, by metric tons, such commodities accounted for only 6% of the total commodities stored by Henry Bath worldwide as of December 31, 2010.

Henry Bath also provides a limited number of incidental services customary to operating LME warehouses to customers who store commodities at its warehouses. Although Henry Bath does not engage in transportation of commodities, Henry Bath will, at the request of a customer, assist the customer in arranging logistical or transportation services from third-party companies with respect to commodities stored at its LME warehouses. These ancillary services are provided solely to Henry Bath warehouse customers in connection with commodities delivered to or from Henry Bath warehouses and support Henry Bath's core business of LME Warehousing.[8] Revenues from ancillary shipping-related services constitute less than 5% of Henry Bath's annual gross revenues.

---

[7] The two Henry Bath warehouses that are not licensed by the LME were opened in Shanghai in anticipation of being licensed. These warehouses were not licensed because of a policy decision taken by Chinese regulatory authorities to not permit exchange-approved warehouses to be established in China by non-Chinese exchanges. Nonetheless, these two warehouses store only LME-registered brands of copper and other LME-registered metals and very small amounts of non-LME brands of such metals. Depending on market conditions, metals stored at these warehouses may eventually be shipped to LME-licensed Henry Bath warehouse locations in South Korea and Singapore for storage on warrant.

As of December 31, 2010, Henry Bath employed a total of 64 permanent and 43 temporary employees worldwide. A list of Henry Bath's current LME warehouse locations, the types of commodities stored at each location, and information about the lease arrangements and whether each warehouse is operated on a day-to-day basis by Henry Bath employees or a third-party warehouse operator is included as *Confidential Annex A* to this notice.

Henry Bath will continue to monitor the market for LME Warehousing, and JPM Chase anticipates that establishment of additional LME warehouse locations will be considered based on market conditions. Henry Bath will continue its practice of leasing the space for its warehouse operations and hiring third parties with expertise in warehousing to engage in the day-to-day operation of its LME warehouses. JPM Chase will continue to hold Henry Bath as a separate company with its own dedicated management and employees, separately managed and operated from JPM Chase and its other subsidiaries. Moreover, JPM Chase will continue to operate Henry Bath in accordance with the regulations of the LME, including in particular the relevant LME firewall regulations and guidelines.

---

[8] For example, Henry Bath will arrange for the transfer of goods from a vessel at the discharge port to the Henry Bath warehouse, trucking or railing of goods from the warehouse to a destination specified by the warehouse client, and, in some cases, the shipment of goods by sea container from a Henry Bath warehouse through to a final destination. In all instances, the actual shipping of goods is accomplished by a third party under contract between the customer and the transportation company or under subcontract between Henry Bath and the transportation company.

II. Discussion

A. Identify and define the proposed complementary activity, specifically describing what the activity would involve and how the activity would be conducted. *(Section 225.89(a)(1))*

JPM Chase proposes to engage, through its indirect subsidiary, Henry Bath, in LME Warehousing. As discussed more fully in Part I, LME Warehousing is the operation of warehouses approved and licensed by the LME for the storage of LME-traded commodities. The operation of LME warehouses encompasses the following essential activities:

- The LME warehouse company receives lots of LME-traded commodities for deposit at its warehouse and charges rents for such period of time as the commodity lot remains on deposit at the warehouse.
- Upon receipt of LME-traded commodities for deposit, the LME warehouse company issues LME Warrants certifying the existence of and describing the commodity lot and representing title to the same.
- On demand, the LME warehouse company makes the LME-traded commodity on deposit at its warehouse available for delivery at the warehouse to the owner of the LME Warrant representing the commodity.

JPM Chase proposes to engage in the following activities ancillary to engaging in LME Warehousing:

- Operating warehouses licensed by Liffe and ICE for storage of cocoa and coffee on warrant;
- Providing limited storage for metals not on warrant in anticipation of those commodities becoming on warrant; and
- Assisting customers in arranging transportation and logistical services provided by third parties.

The LME Warehousing business of Henry Bath is further described in Part I.D of this notice.

B. Identify the financial activity for which the proposed activity would be complementary and provide detailed information sufficient to support a finding that the proposed activity should be considered complementary to the identified financial activity. ***(Section 225.89(a)(2))***

1. Description of the Existing Business

JPM Chase proposes to engage in LME Warehousing as a complement to its current trading activities in commodity derivatives contracts based on nonfinancial assets (the "*Existing Business*").[9] JPM Chase is active in the global derivatives markets for a wide range of commodities and currently engages, through its subsidiaries JPMCB and JPMVEC, in the financial activities of trading in commodity derivatives contracts based on nonfinancial assets.

Through JPMCB, JPM Chase engages in customer-driven commodity-related transactions, including cash settled derivative transactions in base metals, precious metals, energy, and certain agricultural and soft commodities and physically settled derivative transactions involving taking title to and physical delivery of commodities in order to hedge exposure arising from other permissible banking activities (energy, base metals and precious metals). JPM Chase also engages through JPMVEC and other subsidiaries in commodity derivative transactions that settle via cash settlement or in a transitory title transfer, consistent with Section 225.28(b)(8)(ii)(B) of Regulation Y.

Of JPM Chase's financially settled and physically settled commodities transactions in base metals, 95% of such transactions have underliers that are traded on the LME. The efficient operation of the LME and the price discovery function supported by LME warehouses are critical to JPM Chase's commodities business, including both its financially and physically settled commodities businesses. Furthermore, 75% of JPM Chase's commodities transactions in base metals, both financially and physically settled, are executed on the LME. Of such transactions executed on the LME, all are in commodities of the type stored at Henry Bath LME warehouses.

---

[9] The Existing Business conforms to the requirements of Section 225.28(b)(8)(ii)(B) of the Board's Regulation Y.

Similarly, all of JPM Chase's transactions in coffee and cocoa have underliers that are traded on Liffe or ICE. The efficient operation of Liffe and ICE and the price discovery function supported by warehouses licensed by these exchanges are critical to JPM Chase's commodities business. Furthermore, over 90% of JPM Chase's commodities transactions in coffee and cocoa are executed on either Liffe or ICE. Of such transactions executed on these exchanges, all are in commodities of the type stored at Henry Bath LME warehouses.

2. Complementary Nature of LME Warehousing

a. LME Warehousing qualifies as "complementary" under the plain meaning of Section 4(k)(1)(B) of the BHC Act and the relevant legislative history.

The Gramm-Leach-Bliley Act (the "*GLB Act*")[10] amended the BHC Act to expand the range of permissible activities in which bank holding companies may engage. Bank holding companies that elect to be treated as financial holding companies may engage in (i) activities that are financial in nature, (ii) activities that are incidental to a financial activity, and (iii) activities that are "complementary to a financial activity and do not pose a substantial risk to the safety or soundness of depository institutions or the financial system generally."[11]

---

[10] Gramm-Leach-Bliley Act, 99 Pub. L. No. 106-102, 113 Stat. 1338 (Nov. 12, 1999).

[11] 12 U.S.C. § 1843(k)(1).

The plain meaning of Section 4(k)(1)(B) supports a broad construction of the clause and a finding that LME Warehousing qualifies as complementary to JPM Chase's financial activities. The adjective "complementary," as defined in the *Concise Oxford English Dictionary*, means "combining in such a way as to form a complete whole *or to enhance each other*."[12] Therefore, in order for one activity to be complementary to another under the plain meaning of Section 4(k)(1)(B), it is sufficient that the activities "enhance each other." As demonstrated below in Part II.B.[illegible].c of this notice, LME Warehousing supports the price delivery functions of the LME and the proper functioning of the market for contracts based on LME-traded commodities. Therefore, under the plain meaning of Section 4(k)(1)(B), LME Warehousing is complementary to a financial activity.

The legislative history of the GLB Act and Section 4(k)(1)(B) further demonstrates that the clause should be construed broadly. The GLB Act permitted financial holding companies to engage in a broad range of new activities, both financial and nonfinancial.[13] When passing the GLB Act, Congress recognized that this represented a "significant expansion" from previous standards,[14] and Congress included Section 4(k)(1)(B) specifically to provide additional flexibility in the bill's list of

---

[12] CONCISE OXFORD ENGLISH DICTIONARY 292 (Catherine Sloanes & Angus Stevenson eds., 11th ed. 2004) (emphasis added).

[13] *See* 12 U.S.C. § 1843(k)(1).

[14] H.R. REP. NO. 106-434, at 153, *as reprinted in* 1999 U.S.C.C.A.N. at 248.

permissible activities of financial holding companies.[15] Even members of Congress who opposed the inclusion of this provision in the GLB Act recognized its breadth.[16]

Not only is Section 4(k)(1)(B) broad and flexible, but it was a carefully considered compromise through which Congress intended to permit financial holding companies to engage in limited commercial activities. Testimony that Congress received regarding Section 4(k)(1)(B) recognized the importance of granting companies the ability to utilize their resources in a manner benefiting their financial products.[17] Congress recognized that some of these services would be commercial activities.[18] LME Warehousing is an example of a commercial activity that plays a critical role in ensuring the viability of a market for financial products and services and is the type of activity that Section 4(k)(1)(B) was intended to permit.

Finally, in passing the GLB Act, Congress placed few limitations on the breadth of Section 4(k)(1)(B). Congress purposefully chose the flexible language of Section 4(k)(1)(B)[19] and did not attempt to prescribe the specific type of enhancement

---

[15] During House Committee hearings on the bill, Chairman Leach expressed his support of the "flexible language" in Section 4(k)(1)(B) and referred to the clause's inclusion in the bill as a "common sense direction." *Financial Services Modernization Act of 1999: Hearings Before the Comm. on Banking and Financial Services, U.S. House of Representatives*, 106th Cong. 17 (1999) [hereinafter *House Hearings*].

[16] *See* S. REP. NO. 106-44, at 75 (1999) (additional views of Senators Sarbanes, Dodd, Kerry, Johnson, Reed, Schumer, Bayh, and Edwards). These Senators stated that as compared to incidental activities, "the reported bill goes even further by authorizing holding companies to engage in activities that are complementary," and noted such activities would likely be commercial in nature.

[17] *House Hearings*, *supra* note 15, at 319 (statement of Roy J. Zuckerberg, Chairman, Securities Industry Association).

[18] For instance, Representative Merrill Cook, member of the Committee, stated that H.R.10 "giv[es] the Fed the authority to permit commercial activity that is either incidental or complementary to banking." *Id.* at 132.

[19] *See id.* at 17, 24.

required to make two activities complementary to each other. Moreover, Congress did not limit the types of activities that may be found to be complementary to financial activities nor did it restrict the scope of permissible financial activities that a proposed activity may enhance and thus be found complementary to. Consistent with these principles, the Board has recognized in its orders approving activities as complementary that the only statutory limitation on the complementary authority (in addition to safety and soundness considerations) is that the proposed activity complement a financial activity.[20] Thus, as demonstrated by the plain meaning of Section 4(k)(1)(B) and the relevant legislative history, the clause is purposefully broad and, as discussed below in Section II.B.2.c, LME Warehousing should fall within its reach.

b. *Board precedent further demonstrates the breadth of Section 4(k)(1)(B) and supports a determination that LME Warehousing is complementary to the commodity derivatives activities of JPM Chase.*

The Board has described Section 4(k)(1)(B) in similarly broad terms. In describing the complementary authority in a request for public comment, the Board stated that a complementary activity "must in some way complement or enhance a financial activity" or, stated differently, "there must be a relationship or connection between the complementary activity and a financial activity."[21] Similarly, in the Board's orders finding activities complementary to a financial activity, the Board stated that a proposed activity need only be "meaningfully connected to a financial activity such that it

---

[20] *See Citigroup Inc.*, 89 Fed. Res. Bull. 508, 509 (2003) [hereinafter *Citigroup Order*] ("The only limitations on this complementary authority are that, in addition to finding a connection between the nonfinancial activity and a financial activity conducted by the FHC, the Board must determine that the nonfinancial activity does not pose unacceptable risks to the safety and soundness of the FHC, its subsidiary depository institutions, or the U.S. financial system.").

[21] 65 Fed. Reg. 80,384, 80,385 (Dec. 21, 2000) (notice of proposed rule).

complements the financial activity."[22] The Board has recognized that the purpose of Section 4(k)(1)(B) is to permit financial holding companies to engage in activities that are commercial in nature.[23] Moreover, the Board has stated that a broad range of relationships or connections between a proposed activity and a financial activity may support a determination that the proposed activity is complementary.[24] Such a determination will depend on "the nature of the activity and the level and quality of the many types of connections that may exist between the proposed activity and the financial activity."[25]

In applying Section 4(k)(1)(B), the Board has found a range of activities to fall within the clause, including physical commodities trading,[26] disease management and mail-order pharmacy services,[27] energy management services,[28] and energy tolling.[29]

---

[22] *Citigroup Order*, *supra* note 20, at 509; *see also* 68 Fed. Reg. 68,493, 68,497 (Dec. 9, 2003) (final rule) (stating that the purpose of Section 4(k)(1)(B) is to provide a "mechanism to allow an FHC to engage in a limited degree of commercial activities if the proposed commercial activities would meaningfully complement or enhance the financial activities of the FHC").

[23] *See Citigroup Order*, *supra* note 20, at 509.

[24] *See* 68 Fed. Reg. at 68,497.

[25] *Id.*

[26] *See Citigroup Order*, *supra* note 20, at 508; *UBS AG*, 90 Fed. Res. Bull. 215 (2004); *Barclays Bank PLC*, 90 Fed. Res. Bull. 511 (2004) [hereinafter *Barclays Order*]; *JPMorgan Chase & Co.*, 92 Fed. Res. Bull. C57 (2005) [hereinafter *JPMorgan Order*]; *Deutsche Bank AG*, 92 Fed. Res. Bull. C54 (2005); *Société Générale*, 92 Fed. Res. Bull. C113 (2006).

[27] *See Wellpoint, Inc.*, 93 Fed. Res. Bull. C133 (2007) [hereinafter *Wellpoint Order*]. The FDIC asked the Board for a determination of whether the proposed activities were permissible nonbanking activities for a financial holding company.

[28] *See Fortis S.A./N.V.*, 94 Fed. Res. Bull. C20 (2008). "Energy management services" include acting as a financial intermediary for power plant owners and advising the owners in developing risk management plans. The Board concluded these activities complement the financial activities of commodity derivatives activities and derivatives advisory activities.

[29] *See Royal Bank of Scotland Group, Plc*, 94 Fed. Res. Bull. C60 (2008) [hereinafter *RBS Order*]: Under an energy tolling agreement, the financial holding company, as the toller, pays a power plant owner a fixed payment in exchange for the right to buy all or part of the plant's output.

The Board's broad application of Section 4(k)(1)(B) is evidenced by the Board's determination that it is permissible for a financial holding company to provide information on treatment options to insurance plan members, coordinate a member's access to health services, provide health screenings, operate a toll-free "Nurse Line" to respond to questions about conditions or injuries, help plan members develop personalized health plans, and fill prescriptions.[30] As is evident in the range of activities that the Board has determined to be complementary to financial activities, as well as the variety of factors that have supported its determinations, the Board has construed Section 4(k)(1)(B) consistently with the broad meaning that is evident from its plain meaning and the relevant legislative history.

c. *LME Warehousing complements JPM Chase's trading of nonfinancial commodities contracts by ensuring an effective price discovery function for the commodities markets.*

JPM Chase submits that LME Warehousing is "complementary" to a financial activity under Section 4(k)(1)(B) of the BHC Act because there is a meaningful connection between the financial activity of trading nonfinancial commodities contracts on base metals and other LME-traded commodities and the complementary activity of LME Warehousing. As discussed above, JPM Chase regularly enters into customer-driven, financially settled commodity derivative transactions in base metals that are traded on the LME, including copper, aluminum, aluminum alloy, nickel, tin, lead, zinc and steel billet. Those transactions are often, if not always, priced by reference to LME prices on the commodity in question. Even though few LME transactions are physically settled, every LME contract must be capable of physical settlement and LME contracts must allow for satisfaction of the delivery obligation by transfer of an LME Warrant. In fact, some LME transactions do settle physically. The fact that all LME transactions are capable of physical settlement through delivery of an LME Warrant is critical to ensuring that the price of an LME contract on its delivery date correlates to actual spot market prices for the relevant commodity. In order for contracts to be capable of physical settlement, there must be a ready supply of the commodity in storage that can be made available for delivery. The LME's network of warehouses ensures that there is adequate storage capacity for that purpose. By providing LME Warehousing, Henry Bath helps ensure the supply of that capacity and, therefore, the proper functioning of the market for contracts based on LME-traded commodities. Operation of Liffe- and ICE-licensed warehouses similarly complements JPM Chase's trading of nonfinancial commodities contracts by ensuring a price discovery function for those commodities markets.

---

[30] *See Wellpoint Order*, *supra* note 27, at C133.

Furthermore, many of JPM Chase's customers that enter into financially settled derivatives transactions with JPM Chase in base metals traded on the LME also have physical commodities trading requirements. These customers may enter into physically settled commodities transactions with either JPM Chase or other commodities trading businesses along with financially settled derivatives transactions. In order to provide a complete array of commodities-related services to these customers, and in connection with its financially settled derivatives activities, customers may require access to warehousing of physically settled commodities. By operating LME warehouses, JPM Chase can help ensure that its customers (and others) have access to warehouses for storage when they engage in LME transactions as part of their commodities trading and hedging activities. As of December 31, 2010, approximately 75% of the commodities currently stored at Henry Bath warehouses were commodities owned by JPM Chase or clients of JPM Chase.[31] All commodities owned by JPM Chase and stored at Henry Bath warehouses are held by JPMCB to hedge customer-driven transactions.

C. Describe the scope and relative size of the proposed activity, as measured by the percentage of tbe projected financial holding company revenues expected to be derived from and assets associated with conducting the activity. ***(Section 225.89(a)(3))***

Henry Bath generated approximately [redacted] million in net revenue from LME Warehousing in 2010. It estimates that revenues from these activities will fall to approximately [redacted] million in 2011. These revenues are expected to constitute approximately [redacted] of the overall net revenues of JPM Chase's Global Commodity Group in 2011, and less than [redacted] of the consolidated revenues of [illegible] Chase in 2011. In general, revenues from this business are expected to be small relative to JPM Chase's consolidated revenues and relative to the Global Commodity Group's revenues.

D. Discuss the risks that conducting the activity may reasonably be expected to pose to the safety and soundness of the subsidiary depository institutions of the financial holding company and to the financial system generally. ***(Section 225.89(a)(4))***

The major risks associated with LME Warehousing are broadly similar to risks that JPM Chase already manages in its business. JPM Chase has operated gold vaults since [illegible]. The risks of operating a gold vault and the risks of operating an LME warehouse are substantially the same and include theft and security risks; health, safety and environmental risks; regulatory risks; risks related to third-party operators; reputational risks; and information systems and technology risks. Therefore, the operation of LME warehouses does not present different risks to the safety and soundness of JPM Chase's depository institution subsidiaries, JPM Chase or the financial system

---

[31] Consistent with LME rules, Henry Bath does not provide JPM Chase or its clients with greater access to LME warehouse storage capacity or better terms than it provides to other parties.

generally than the financial activities in which JPM Chase engages outside of Henry Bath.

Henry Bath has in place policies and procedures designed to ensure that it operates each of its LME warehouses in such a manner so as to mitigate the risks presented by this activity and to ensure that it operates each warehouse in compliance with laws and LME regulations. For a list of the policies and procedures currently maintained by Henry Bath to mitigate these risks, see *Confidential Annex B* to this notice, and for a matrix of categories of risks presented by LME Warehousing and ways in which Henry Bath mitigates these risks in addition to such policies and procedures, see *Confidential Annex C*.

In addition to maintaining the above-described policies and procedures to address the risks of its operations, Henry Bath also maintains comprehensive warehousekeeper liability insurance covering each of its warehouse locations worldwide. For a copy of Henry Bath's current warehousekeepers liability insurance policy, see *Confidential Annex D* to this notice.

E. Describe the potential adverse effects, including potential conflicts of interest, decreased or unfair competition, or other risks, that conducting the activity could raise, and explain the measures the financial holding company proposes to take to address those potential effects. ***(Section 225.89(a)(5))***

The potential adverse effects associated with the LME Warehousing should be minimal and can be mitigated by JPM Chase's existing control and risk management infrastructure.

Competition. The proposal should have no adverse effect on competition because JPM Chase did not engage in LME Warehousing prior to the acquisition of Henry Bath. Although JPM Chase operates gold vaults, such business is not in competition with LME Warehousing because the LME does not list contracts on precious metals. The entry by JPM Chase in this new line of business thus will not have an adverse effect on competition.

Conflicts of Interest. Like all LME warehouses, Henry Bath is subject to strict regulations imposed by the LME and designed to ensure that conflicts of interest do not arise where LME warehouse companies are affiliated with companies engaged in commodities trading activities. LME warehouse companies are required to operate as separate companies with independent management and are subject to strict confidentiality rules regarding price-sensitive information, including information related to stock levels and flows of commodities in or out of the warehouses. Failure to comply with the confidentiality rules can be taken up by the LME Disciplinary Committee and can lead to delisting. Moreover, LME regulations require that LME warehouse companies treat all customers wanting to deposit commodities in, or remove commodities from, an LME warehouse fairly, in the order and with a common level of service to avoid the appearance of favoritism. Liffe and ICE impose similar regulations with respect to Liffe- and ICE-licensed warehouses. JPM Chase has adopted a Chinese Wall and Confidentiality Policy for Henry Bath that governs interactions between JPM Chase employees and Henry Bath employees. A copy of this policy is included as *Confidential Annex E.*

F. Describe the potential benefits to the public, such as greater convenience, increased competition, or gains in efficiency, that the proposal reasonably can be expected to produce. *(Section 225.89(a)(6))*

The Complementary Activities should provide benefits to the public by helping to ensure that there is adequate storage capacity for LME commodities as well as other exchange-traded commodities. Adequate storage capacity is critical to an exchange's price discovery function, as discussed above, and ensuring that this price discovery function continues to operate efficiently will benefit the public by providing an efficient and accurate mechanism for market participants to price commodities traded on the exchange. This function is critical to both the commodities trading markets as well as producers and consumers of commodities.

As a participant in the metals derivatives market, JPM Chase has a particular interest in ensuring an adequate supply of LME warehouse capacity. By operating Henry Bath, JPM Chase can help ensure that there is sufficient availability of LME warehouse space. An adequate supply of LME warehouse space will benefit JPM Chase and the public by supporting the price discovery function of the LME and by providing space for the public to store metals. Moreover, the presence of JPM Chase in the market will increase competition between LME warehouses and thereby ensure better pricing for all market participants.

G. Provide any information about the financial and managerial resources of the financial holding company and any other information requested by the Board. *(Section 225.89(a)(7))*

A list of the key personnel of Henry Bath involved in the LME Warehousing and a description of their background is included in this submission as *Confidential Annex F*. Information about the financial and managerial resources of JPM Chase can be found in its 2010 Annual Report, filed with the Securities and Exchange Commission (the "*SEC*") and available through the SEC's website.

III. Conclusion

For the reasons set forth above, JPM Chase believes that the manner in which it would conduct LME Warehousing is fully consistent with the standards of

Section 4(k)(1)(B) of the BHC Act for a complementary activity and would not pose a risk to the safety and soundness of any depository institutions or the financial system in general. Therefore, the Company respectfully requests that the Board exercise its discretionary authority to authorize JPM Chase to engage in LME Warehousing as a complementary activity to its commodities derivatives activities based on non-financial commodities.

Page(s) Redacted By The Permanent Subcommittee on Investigations

Confidential Annex E

Chinese Wall and Confidentiality Policy

HENRY BATH

Chinese Walls Policy

Managing the relationship and communications with the trading company connections.

This policy applies to all Henry Bath operations.

Version Number	2.[illegible]
Created by	Graeme Robinson – Group Regulatory and Risk Manager
Last review date	15 January 2011
Approved by	Graham Hawkins – Group General Manager Paul Wynne – Group General Manager
Approval date	28 February 2011
Next review date	28 February 2012

Contents

Managing the relationship and communications with the trading company connections. 1
This policy applies to all Henry Bath operations. 1
Purpose and background 1
Policy governance and scope 1
LME requirements 2
Group Process – The Chinese Walls Policy 3
  Meetings with JP Morgan 3
  Meetings with other LME or other exchange participants .... [illegible]
  Access to information 5
  Access to Premises 6
  Quarterly declarations 7
  Compliance review 7
  Identification of breach of policy 7
Appendix – JP Morgan's Chinese Walls policy for managing the Henry Bath relationship 8

Purpose and background

The relationship between JP Morgan and the Henry Bath Group ("the Group") needs to be carefully managed to ensure compliance with London Metal Exchange's ("LME") / Financial Services Authority ("FSA") rules regarding warehouse company relationships with trading companies.

These rules exist to maintain a fair and competitive market within the exchange.

The LME is specifically concerned with the sharing of information between the Group and the parent trading company. This could include:

- Total or third party stock levels;
- Customer information;
- Commercial relationships between customers and the Group; and
- Stock movements.

It is not practical or appropriate for Group management to be entirely segregated from the parent's senior management team given our organisational structure.

It is therefore likely that Group staff will meet and visit JP Morgan and vice versa. It is the management of these meetings, sharing of information and relationships that this policy is designed to address.

Whilst this policy is based on LME requirements, other exchanges or authorities may enforce similar requirements.

Policy governance and scope

Each of the Regional General Managers are ultimately responsible for the implementation and compliance of this policy with oversight from the Group General Managers and the Group Regulatory and Risk Manager.

Compliance with this policy may be subject to internal or external audit.

This policy is applicable to **all** Group subsidiaries and Joint Venture arrangements **without exception**.

LME requirements

The Chinese Walls policy is designed to address the obligations of the Group under clause 1.5.2 of the Warehouse Agreement:

A Warehouse may not deal directly or indirectly in Contracts, and shall observe such other requirements contained in any Exchange notice relating to the separation of Warehouses from Members and the maintenance of confidentiality in respect of price sensitive and customer confidential information.

The Group must ensure that:

- There is no material interest in any profits arising from trading activity by the parent company;
- Stock data is kept confidential from the parent company and its trading teams (regardless of the possibility that stocks may or may not originate from these teams); and
- No customer and/or commercially confidential information should be shared with the trading teams.

The above information, should it be shared, could potentially be used to influence or adversely impact upon the effectiveness of the exchange(s) and markets.

Group Process – The Chinese Walls Policy

Meetings with JP Morgan

This policy is not intended to prevent any meetings being held with any of the JP Morgan ("JPM") group of companies. These are essential for the success of the wider JPM / Henry Bath Group.

Whenever any meeting or visit is planned with JPM, particulars of the meeting / visit need to be documented:

- Date;
- Who met;
- Purpose of meeting; and
- Location of meeting (i.e. HB office, JPM office, other location).

These details must be logged in the Chinese Walls declarations spreadsheets that are maintained and distributed by the Group Regulatory and Risk Manager each quarter.

Approvals

Meetings and visits between Group and JPM staff need to be assessed and authorised **in advance of the meeting / visit**. The following principles apply **to all meetings/visits:**

- All visits to Group offices or warehouses by JPM staff (or contractors on their behalf) require pre-authorisation from JPM's EMEA GCG Compliance Officer and then the Group Regulatory and Risk Manager and Group General Managers.
- All visits to JPM offices by Group staff require pre-authorisation from the Group Regulatory and Risk Manager and the Group General Managers.
- All visits by JPM staff to events hosted / supported / sponsored by the Group require pre-authorisation from JPM's EMEA GCG Compliance Officer and then the Group Regulatory and Risk Manager and Group General Managers.
- All visits by Group staff to events hosted / supported / sponsored by pre-authorisation from the Group Regulatory and Risk Manager and the Group General Managers.

Approvals contact details

Group Regulatory and Risk Manager	graeme.robinson@henrybath.com
Group General Managers	paul.wynne@henrybath.com graham.hawkins@henrybath.com
JPM's EMEA GCG Compliance	chris.savage@jpmchase.com

Group staff attending JPM site/event

1. Obtain pre-approval from the Group Regulatory and Risk Manager through email to graeme.robinson@henrybath.com (including details as listed above)
2. The Group Regulatory and Risk Manager will pre-approve and gain final approval from the Group General Managers

   If the request is made by the Group General Managers, the Group Regulatory and Risk Manager will be the final approver. For all other staff, the Group General Managers will have a secondary approval.
   The Group General Managers will cc all approvals to the **DL HB ChineseWalls** email distribution list.
3. The Group Regulatory and Risk Manager will list the meeting/visit/event in the Chinese Walls spreadsheet
4. **Document all commercial meetings using an agenda or minutes, as deemed appropriate.**

JPM staff / contractors attending HB site/event

1. JPM staff / contractor must obtain pre-approval from JPM's EMEA [illegible] Compliance Officer and provide confirmation of this to HB party being visited
2. The HB host should contact the Group Regulatory and Risk Manager who will pre-approve and gain final approval from the Group General Managers

   If the request is made by the Group General Managers, the Group Regulatory and Risk Manager will be the final approver. For all other staff, the Group General Managers will have a secondary approval.
   The Group General Managers will cc all approvals to the **DL HB ChineseWalls** email distribution list.
3. The Group Regulatory and Risk Manager will list the meeting/visit/event in the Chinese Walls spreadsheet
4. **Document all commercial meetings using an agenda or minutes, as deemed appropriate.**

Guidance on prohibited discussions

The following items must not be discussed under any circumstances:

- Total or third party stock levels (i.e. you are able to discuss an individual customer's stock levels with them as this is relevant to their business, you are prevented from discussing any other stock levels);
- Commodity detailed stock movements (deliveries in and out – planned and actual);
- Customer ownership / transactions; or
- Customer details.

This includes communications via meetings in person, report, telephone, fax or email.

Meetings between HB and JPM staff (for commercial reasons)

Any meetings between HB and JPM staff (for commercial reasons) are required to be documented (an agenda or minutes as appropriate) and, if necessary, have a Legal or Compliance staff member present.

Confidentiality policies remain in place for both parties.

Telephone or other electronic communications should be restricted to commercial matters only (i.e. one party being the client of the other). Both the call and receiver should ensure where non commercial matters are discussed, a file note or evidence concerning the nature of the call is retained.

Non-commercial meetings / visits with JPM

There may be occasions where there is a requirement for non-commercial meetings. This could include HR, IT or other similar 'back-office' meetings necessary for the successful operation of the business.

These meetings should comply with the policy, but are not required to be documented unless there is any doubt over how they could impact upon Chinese Walls. If there is ever any doubt, please seek clearance from the HB Group Regulatory and Risk Manager and/or JPM's EMEA GCG Compliance Officer.

Henry Bath Board meetings

The Directors of Henry Bath & Son Ltd (Group parent company) are senior managers of the LME participant. This shared responsibility is accepted by the LME and the FSA.

All board meetings should be clearly documented – agenda and minutes.

Meetings with other LME or other exchange participants

Per LME rules, the concept of Chinese Walls should be applied to all meetings with any other LME or other exchange participant, not just JPM.

To maintain effective markets and competition within the exchange, there should be no actual or perceived risk of sharing confidential information or market/price sensitive data with any LME or other exchange participant.

This is in accordance with the Group's **Competitor Interaction Policy** and compliance with **US Anti-Trust Law** preventing non-competitive and cartel behaviours.

Therefore, these rules apply to **all** relationships, meetings and interaction with LME or other exchange participants i.e. no sharing of confidential or sensitive information.

There is no need requirement under this Chinese Walls Policy to document Meetings with non-JPM staff in the Chinese Walls spreadsheet.

Access to information

Information security is essential to ensuring compliance with this policy.

Hard copy information

You must ensure that your desk is clear of all 'confidential' information (as described above), specifically during any visits from JP Morgan or other LME participants.

This also includes information that you take to their site or other meeting location. Care must be taken to ensure that there is no opportunity for this information to be shared with, or accessed by, them.

Electronic information

The Group has strong information access security controls to ensure that no members of the JPM trading teams are able to access our systems and networks. Additional care needs to be taken when you communicate with these teams via email – **please take extra care over email content and recipient email addresses.**

If you believe that you have accidentally sent an email to somebody to the wrong recipient, you must:

- Attempt to recall the email immediately within Outlook; and
- Advise Graeme Robinson and/or Paul Wynne/Graham Hawkins immediately.

Access to Premises

Locations

The Group office locations are deliberately not co-located with JPM. The Group is headquartered in Liverpool, UK, with each subsidiary company located an appropriate distance from JPM trading locations.

Access to offices / warehouses

It is commonplace that JPM staff, or other LME participants, may visit the Group offices and warehouses.

JP Morgan visitors

In advance of any visit by JPM staff, they **must first seek approval from JPM's EMEA GCG Compliance.**

All visits to HB offices and warehouse sites must be authorised per the aforementioned process.

During visit

Throughout the visit, please ensure that you apply the principles of this policy, including:

- Not disclosing any of the classified information detailed earlier (i.e. stock levels, movements, ownerships and customer contracts etc.);
- Maintaining a clear desk policy;
- Care whilst walking around the warehouse – i.e. not sharing any information regarding ownership, contract details etc. of the material in store; and
- Ensuring that you do not deviate from the approved agenda detailed in the original approval.

Whenever any visits are planned (in either direction), they must be authorised per the above process and the Group Regulatory and Risk Manager must record in the declarations spreadsheet.

There should be no 'ad-hoc', unannounced meetings between the parties in any of the locations.

Access to warehouses by any visitor

Access to warehouses needs to be carefully managed.

This is standard practice for all customers – no customers should be given access as there is scope for them to appreciate material volumes and movements which can ultimately impact upon trading prices and activity.

All visits to HB offices and warehouse sites must be authorised per the aforementioned process.

Quarterly declarations

Each quarter, the Group Regulatory and Risk Manager will submit a Chinese Walls Declaration to the Legal Counsel / EMEA GCG Compliance team in London.

Compliance review

The Group will be subject to regular audit review from JPM and/or the LME (or other exchange or related body) to demonstrate our compliance and transparency.

Identification of breach of policy

Any breach of the Chinese Walls policy by staff may be considered a serious disciplinary offence.

If you notice that any inappropriate / protected information has been, or is at risk of being, shared or made available to JPM staff, you must not discuss this with your team members, but should immediately notify the Group Regulatory and Risk Manager or EMEA GCG Compliance in London.

CONFIDENTIAL TREATMENT REQUESTED

Appendix – JP Morgan's Chinese Walls policy for managing the Henry Bath relationship

Included for information and context.

ADDITIONS TO CHINESE WALL AND CONFIDENTIALITY POLICY FOR HENRY BATH

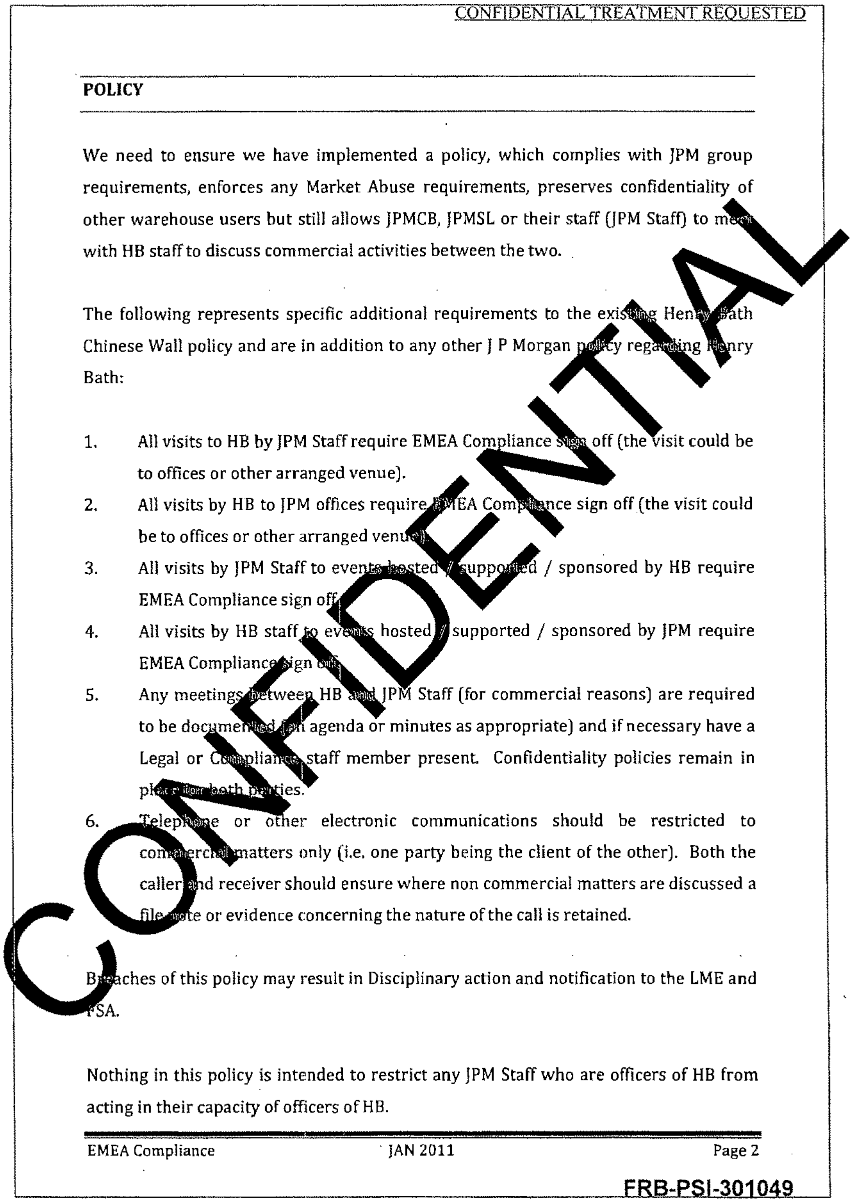
INTRODUCTION AND BACKGROUND TO POLICY

Henry Bath (HB) acts as an independent LME warehouse holding third party and JPM Group stocks. HB therefore is required by the LME to maintain a Chinese Wall in respect of its activities. Warehouse stock levels are published by the LME on a regular basis and such information falls under the Market Abuse obligations. Notwithstanding the legal obligations HB has a reputational risk if confidential information is seen (or believed) to have leaked out. Currently there is a specific Henry Bath Chinese Wall policy as well as the general JPM group policies on Market Abuse / Insider Dealing and Confidentiality.

These Chinese Wall obligations apply particularly to JPMCB and JPMSL both of whom have close commercial ties to HB as a result of being major customers of HB.

Because of the commercial relationship between HB and members of the JPM group it is reasonable to expect HB staff and JPM staff to be able to meet and discuss with each other matters related to JPM group warehouse stocks. Providing the discussions are solely related to this topic we should not prevent any meeting, however, we will need to ensure that any meeting was restricted to this topic and be in a position to evidence that the restriction was adhered to.

The current Henry Bath Chinese Wall policy only refers to visits to Henry Bath offices and takes no account of the normal commercial relationship between JPM and Henry Bath. The attached policy represents additional clauses to be incorporated into the Henry Bath Chinese Wall policy which should also be reflected in JPM group.



POLICY

We need to ensure we have implemented a policy, which complies with JPM group requirements, enforces any Market Abuse requirements, preserves confidentiality of other warehouse users but still allows JPMCB, JPMSL or their staff (JPM Staff) to meet with HB staff to discuss commercial activities between the two.

The following represents specific additional requirements to the existing Henry Bath Chinese Wall policy and are in addition to any other J P Morgan policy regarding Henry Bath:

1. All visits to HB by JPM Staff require EMEA Compliance sign off (the visit could be to offices or other arranged venue).
2. All visits by HB to JPM offices require EMEA Compliance sign off (the visit could be to offices or other arranged venue).
3. All visits by JPM Staff to events hosted / supported / sponsored by HB require EMEA Compliance sign off.
4. All visits by HB staff to events hosted / supported / sponsored by JPM require EMEA Compliance sign off.
5. Any meetings between HB and JPM Staff (for commercial reasons) are required to be documented (an agenda or minutes as appropriate) and if necessary have a Legal or Compliance staff member present. Confidentiality policies remain in place for both parties.
6. Telephone or other electronic communications should be restricted to commercial matters only (i.e. one party being the client of the other). Both the caller and receiver should ensure where non commercial matters are discussed a file note or evidence concerning the nature of the call is retained.

Breaches of this policy may result in Disciplinary action and notification to the LME and FSA.

Nothing in this policy is intended to restrict any JPM Staff who are officers of HB from acting in their capacity of officers of HB.

J.P.Morgan

August 7, 2012

Confidential Treatment Requested

Ivan J. Hurwitz
Vice President, Bank Applications
Federal Reserve Bank of New York
33 Maiden Lane
New York, NY 10045

Re: Notice Regarding Application for Relief in Connection with Complementary Authority

Dear Mr. Hurwitz:

On behalf of JPMorgan Chase & Co. ("JPMC"), I hereby withdraw the application filed by JPMC with the Federal Reserve Bank of New York on August 18, 2010 requesting that the Board of Governors of the Federal Reserve System ("Board") provide relief from a commitment JPMC made in connection with the conduct of its commodity trading activities. Please contact me at 212-648-0285 if you have any questions.

Sincerely,

Mark Lenczowski

Mark Lenczowski

JPMORGAN CHASE & CO.

Kathleen A. Juhase
Sr. Vice President & Associate General Counsel
Legal and Compliance Department

June 29, 2012

Federal Reserve Bank of New York
33 Liberty Street
New York, NY 10045

Attention: Mr. Ivan Hurwitz

Dear Mr. Hurwitz:

As part of the transaction in which JPMorgan Chase & Co. ("JPMC") acquired the RBS Sempra commodities business, JPMC acquired Henry Bath & Son Limited ("Henry Bath"). Henry Bath engages in operating storage facilities for base metals and certain other commodities for third parties. The Board of Governors of the Federal Reserve (the "Board") has not determined such activity to be financial in nature. As a result, JPMC has held its interest in Henry Bath for two years as a grandfathered activity in accordance with the provisions of Regulation Y. The permissible grandfather period will expire on July 1, 2012. JPMC has informed the Board that after expiry of the grandfathering period it will hold its interest in Henry Bath as a merchant banking investment and has provided information to the Board as to the steps it is taking to conform its relationship with Henry Bath so as to comply with the restrictions of merchant banking authority. As these efforts are ongoing, JPMC is submitting this letter at the request of the Board to request an additional one year extension of the grandfathering period, to end June 30, 2013, to enable JPMC to continue to own its interest in Henry Bath as a grandfathered investment. This extension will provide adequate time for JPMC to complete the necessary steps to conform its holding in Henry Bath to the requirements of merchant banking.

JPMC requests confidential treatment of the JPMC specific business information set forth above , as well as of the fact that JPMC has made this request pursuant to the Freedom of Information Act, 5 U.S.C. 552 (b) (4) (the "Act") and the regulations promulgated by the Board thereunder. Information contained herein is not publicly available and concerns proprietary JPMC data. Disclosure could cause substantial injury to the competitive position of JPMC and its affiliates meeting the substantial competitive harm tests set down in judicial interpretations of the Act.

We appreciate your attention to this grandfathering request and are available to answer any questions you have as you consider this request. Please direct questions relating to this request to Mark Lenczowski at (212) 648-0285 or Kathleen Juh[illegible] at (212) 270-5907.

Very truly yours,

Kathleen

Cc. Dianne Dobbeck
Michael Waldron

JPMORGAN CHASE & CO.

Mark Lenczowski
Managing Director
Assistant General Counsel
Legal Department

May 1, 2013

Federal Reserve Bank of New York
33 Liberty Street
New York, NY 10045

Attention Mr. Ivan Hurwitz

Dear Mr. Hurwitz:

JPMorgan Chase & Co. ("JPMC") acquired Henry Bath & Son Limited ("Henry Bath") on July 1, 2010 and has held its interest in Henry Bath as a grandfathered activity in accordance with the provisions of Regulation Y. The permissible initial grandfathering period expired on July 1, 2012. JPMC submitted a letter to The Board of Governors of the Federal Reserve System (the "Board") on June 29, 2012 requesting an additional one year extension of such period. The Board granted that request. JPMC has been providing information to the Board as to the steps it is taking to dispose of its investment in Henry Bath. As those efforts are ongoing, JPMC is submitting this letter to request an additional one year extension of the grandfathering period, to end June 30, 2014, to enable JPMC to continue to own [illegible] interest in Henry Bath as a grandfathered investment. This extension will provide time for JPMC [illegible] continue efforts to divest its interest in Henry Bath.

JPMC requests confidential treatment of the JPMC-specific business information set forth above, as well as of the fact that JPMC has made this request pursuant to the Freedom of Information Act, 5 U.S.C. 552 (b) (4) (the "Act") and the regulations promulgated by the Board thereunder. Information contained herein is not publicly available and concerns proprietary JPMC data. Disclosure could cause substantial injury to the competitive position of JPMC and its affiliates meeting the substantial competitive harm test set down in judicial interpretations [illegible]

We appreciate your attention to this grandfathering request and are available to answer any questions you have as you consider this request. Please direct questions relating to this request to the undersigned at (212) 648-0285.

Yours truly,

Mark Lenczowski
JPMorgan Chase & Co.
277 Park Avenue, Fl. 13
New York, NY 10172
Mark.lenczowski@jpmchase.com

CONFIDENTIAL

GLOBAL COMMODITIES COMPLIANCE SELF-ASSESSMENT

Discussion materials

September 2013

FOR INTERNAL USE ONLY

This presentation generally summarizes the major points of the commodities compliance self-assessment in furtherance of maintaining [illegible] effective compliance program.

STRICTLY PRIVATE AND CONFIDENTIAL

JPMorgan Chase & Co.

Program objectives and approach

Context and objectives

- Global Commodities Compliance performed a self assessment of its [illegible] compliance program against Global Compliance Program standards and [illegible] regulatory expectations to:
  - Assess adequacy of Global Compliance program [illegible]
  - Identify key gaps and improvement areas
  - [illegible] Commodities Compliance program [illegible]
- The review was launched in [illegible] and completed by [illegible]
- Review focused on [illegible] Compliance processes [illegible]
- Review [illegible] practices

Approach

- Conducted [illegible] of the Global Commodities [illegible] culture, talent and technology
- Conducted [illegible] of Tier [illegible]
  - [illegible] and oversight
  - Regulatory management
  - Policies and procedures
  - Training and awareness
  - Monitoring and testing
  - Issues Management
  - Risk assessment and reporting
- [illegible] Global Compliance [illegible] program enhancements
- Approach and methodology were reviewed with Audit, Global Compliance Practices, CIB CCO and Legal

JPMC's Global Commodities Business Overview – Asset classes

Asset Class breakout

North America

Energy and Power
- *Crude Oil*
- *Refined Products*
- *NGLs*
- *Coal*
- *Electricity*
- *Natural Gas*
- *Vessel/Barges*
- *Rail*
- *Pipeline*
- *Plastics*

Environmental Markets
- *Carbon allowances and offsets*
- *Sulphur Dioxide*
- *Nitrogen Oxides*
- *Renewable Energy Credits*

Precious Metals
- *Gold*
- *Silver*
- *Platinum*
- *Palladium*
- *Rhodium*

Base
- *Aluminum*
- *Aluminum Alloy*
- *Copper*
- *Nickel*
- *Lead*
- *Iron Ore*
- *Tin*
- *Zinc*
- *Steel*

Softs & Ags
(Financial only)
- *Cattle*
- *Dairy*
- *Hogs*
- *Soybeans*
- *Wheat*
- *Corn*
- *Coffee*
- *Sugar*
- *Cotton*
- *Rapeseed*
- *Palm Oil*

Investor Products
- *Index Swaps and Exotics*
- *Structured Notes*

EMEA

Energy and Power
- *Crude Oil*
- *Refined Products*
- *NGLs*
- *Coal*
- *Electricity*
- *Natural Gas*
- *Freight Trading*
- *Vessel/Barges*
- *LNG*

Environmental Markets
- *Carbon allowances and offsets*
- *Renewable Energy Credits*

Precious Metals
- *Gold*
- *Silver*
- *Platinum*
- *Palladium*
- *Rhodium*

Base
- *Aluminum*
- *Aluminum Alloy*
- *Copper*
- *Nickel*
- *Iron Ore*
- *Lead*
- *Tin*
- *Zinc*
- *Steel*

Softs & Ags
(Financial only)
- *Cattle*
- *Dairy*
- *Hogs*
- *Soybeans*
- *Wheat*
- *Corn*
- *Coffee*
- *Sugar*
- *Cotton*
- *Rapeseed*
- *Palm Oil*

Investor Products
- *Index Swaps and Exotics*
- *Structured Notes*

Asia

Energy and Power
- *Crude Oil*
- *Refined Products*
- *NGLs*
- *Coal*
- *Vessel/Barges*

Precious Metals
- *Gold*
- *Silver*
- *Platinum*
- *Palladium*
- *Rhodium*

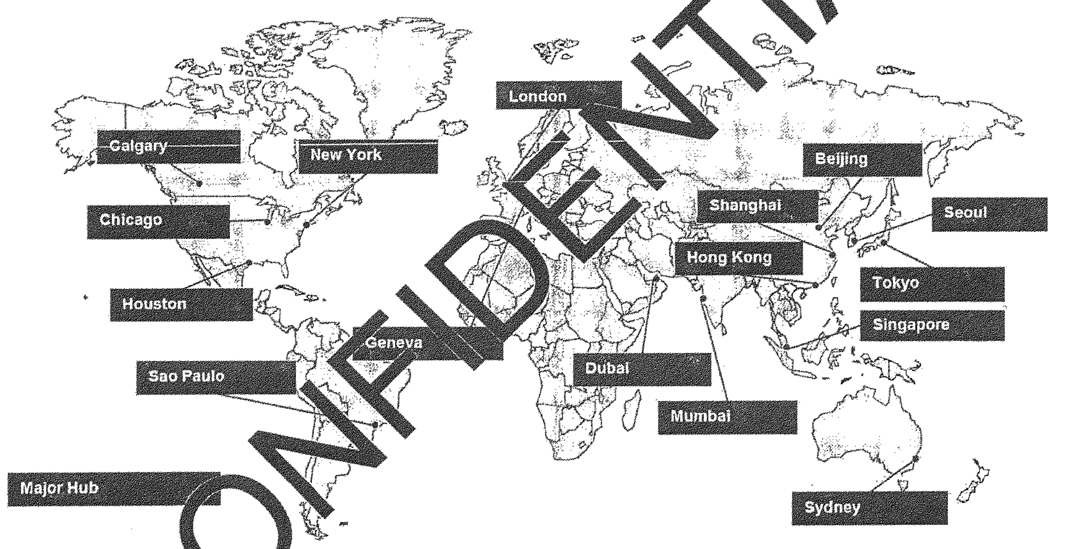
Base
- *Aluminum*
- *Aluminum Alloy*
- *Copper*
- *Nickel*
- *Iron Ore*
- *Lead*
- *Tin*
- *Zinc*
- *Steel*

Softs & Ags
(Financial only)
- *Cattle*
- *Dairy*
- *Hogs*
- *Soybeans*
- *Wheat*
- *Corn*
- *Coffee*
- *Sugar*
- *Cotton*
- *Rapeseed*
- *Palm Oil*

Investor Products
- *Index Swaps and Exotics*
- *Structured Notes*

JPMC's Global Commodities Business Overview – Footprint

Global footprint



Page(s)
Redacted By The
Permanent Subcommittee
on Investigations

GLOBAL COMMODITIES BCC

June 24th, 2013

JPMorgan

STRICTLY PRIVATE AND CONFIDENTIAL

Page(s)
Redacted By The
Permanent Subcommittee
on Investigations

Sales and Structuring Activity - 2Q 2013

Sales Overview / Client Franchise Details

Redacted By
Permanent Subcommittee on Investigations

	Client Count		
Product	Financial	Physical	Total*
METALS	650	166	754
P&G	206	272	427
GLOBAL OIL	269	147	398
INVESTOR PRODUCTS	123	-	123
SOFTS & AGS	57	-	57
COAL	27	4	[illegible]
TOTAL*	1,165	541	[illegible]

Transaction Approval Policy Activity

Redacted By
Permanent Subcommittee on Investigations

External Business Conduct Implementation

Redacted By
Permanent Subcommittee on Investigations

* Total eliminates double-count between Financial / Physical clients; Vault clients counted as physical; H Bath ultimate clients not reflected

Page(s)
Redacted By The
Permanent Subcommittee
on Investigations

From: Vivian Liu
To: Lisa Brannon
Cc: Ruth Caetano; Crystall McCune; Robin Whidbee; Lisa Brannon
Subject: Fw: Henry Bath
Date: 02/07/2012 12:44 PM
Attachments: HBS (Liverpool) Org Chart.pdf
Customer Presentation.pdf
Responses to HB questions.docx
HB JPM Activities.pptx
Henry Bath Corporate Ownership Structure.xls
HB Authorisation Schedule.xls
HB 2012.ppt
Henry Bath Liverpool Presentation.pptx

Lisa - Please upload to AMPS #81946. Please also drop a copy in the Q and forward to FISG.

Thanks,
VIvian
----- Forwarded by Vivian Liu/NY/FRS on 02/07/2012 12:24 PM -----

From: "Lenczowski, Mark" <mark.lenczowski@jpmchase.com>
To: "michael.w.waldron@frb.gov" <michael.w.waldron@frb.gov>
Cc: "Rosalie.Yee@ny.frb.org" <Rosalie.Yee@ny.frb.org>, "Robert.Brooks@frb.gov" <Robert.Brooks@frb.gov>, "Vivian.Liu@ny.frb.org" <Vivian.Liu@ny.frb.org>, "Flora.H.Ahn@frb.gov" <Flora.H.Ahn@frb.gov>, "Genova, Diane M." <genova_diane@jpmorgan.com>, "McCulloch, Kathryn" <Kathryn.McCulloch@chase.com>, "Juhase, Kathleen" <juhase_kathleen@jpmorgan.com>
Date: 02/07/2012 11:48 AM
Subject: Henry Bath

Michael,

Attached are JPMorgan Chase & Co.'s ("JPMC's") responses to your questions about Henry Bath together with documents to which we refer in our responses.

IDENTIAL

Redacted By
Permanent Subcommittee on Investigations

Page(s)
Redacted By The
Permanent Subcommittee
on Investigations

JP Morgan has built a world class client-focused commodities business

Why Commodities at J.P. Morgan?

- Our clients require solutions to manage their commodity price risk

The Franchise

- Over 2,000 clients including corporate, investor, governments
- Deep expertise across all commodity types ([illegible]00 employees in 20+ locations worldwide)
- Expansive financial and physical platform

Key Elements of our Strategy

- Client focus: Their needs and interests come first
- Innovation: We must be able to respond to a rapidly changing environment
- Risk taking: We are willing to take risks that support our clients' needs
- Balance Sheet & Capital Strength: Using our size and scale effectively
- Global footprint: Complete relevance across all key geographies
- Physical & Financial presence: Have ability to meet client needs and manage risk in all markets

Our growth has been consistent and dramatic, with organic investments and acquisitions across products and geographies

Investing in our platform

- J.P. Morgan has made significant investments in building out and diversifying our Global Commodities platform and capabilities - organically and through strategic acquisitions, such as RBS Sempra
- J.P. Morgan's Global Commodities Group offers clients a comprehensive set of market making, structuring, risk management, financing and warehousing capabilities across the full spectrum of commodity asset classes

Key transactions accelerate J.P. Morgan's growth

2005-2006

- J.P. Morgan corporate focus on developing market leading energy trading platform

2006

[illegible]

2008

- Acquired Bear Energy as part of J.P. Morgan's acquisition of Bear Stearns
- Acquired ClimateCare, a leading originator of carbon offsets

2009

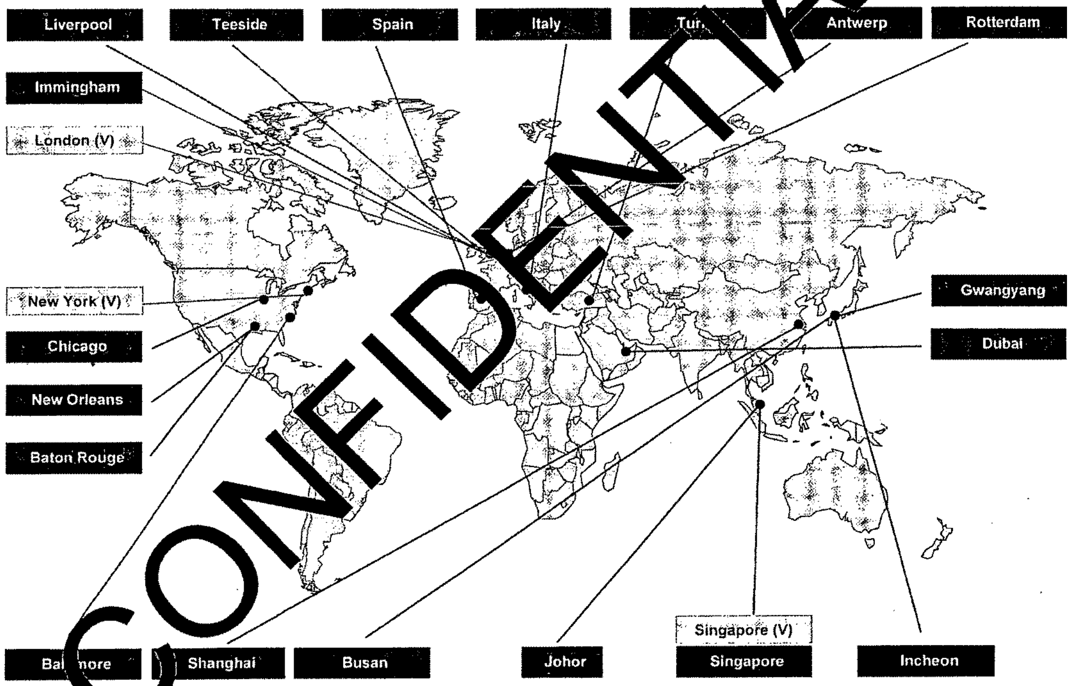
- Acquired UBS Commodities Canada Ltd and UBS AG's global agricultural business
- Acquired EcoSecurities Group plc, a global leader in the carbon credit market

2010

- Acquired RBS Sempra's metals, oil, coal, plastics, agricultural, and [illegible] U.S. gas/power, European power and gas and investor products assets from the Royal Bank of Scotland and Sempra Energy in July
- Acquired RBS Sempra's North America natural gas and power trading portfolios in October

Page(s)
Redacted By The
Permanent Subcommittee
on Investigations

Physical Metals - 19 Henry Bath Warehouse Locations & 3 JP Morgan Bullion Vaults Worldwide



Page(s)
Redacted By The
Permanent Subcommittee
on Investigations

J.P. Morgan Metals Business

Markets We Trade

Futures | **Over-the-counter** | **Physicals**

Precious Metals
- > **COMEX / TOCOM**
- ■ Gold
- ■ Silver
- ■ Platinum
- ■ Palladium
- ■ Rhodium

Industrial Metals
- > **LME / COMEX**
- ■ Aluminum and Alloys
- ■ Copper
- ■ Zinc
- ■ Lead
- ■ Nickel
- ■ [illegible]

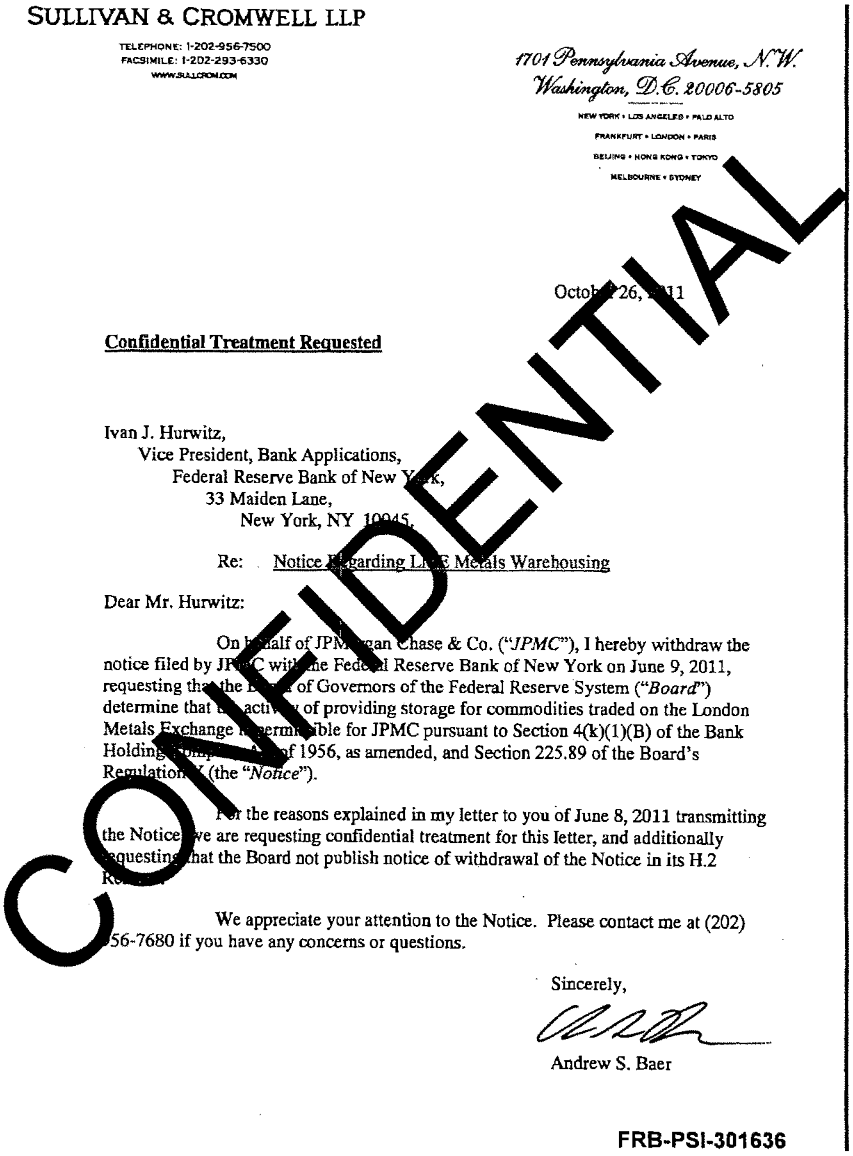
Ferrous Metals
- > **LME / NYMEX / OTC**
- ■ Iron Ore
- ■ LME Billet
- ■ NYMEX Hot rolled coil
- ■ European Hot rolled coil

What we do

Over the counter
- ■ One of the highest credit rated bank dealer [illegible] OTC direct counterparty risk
- ■ Significant risk-warehousing appetite for bulk execution, long-dated forwards and options-related risk
- ■ Large global franchise across industry groups facilitating large information and transaction flow

Exchange based
- ■ Active dealer on LME and Comex futures and options and a ring-dealer member of the LME, a Broker Member of the Dubai Gold & Commodities Exchange (DGCX), a founding member of the London Bullion Market Association (LBMA) and a member of the London Platinum and Palladium Market (LPPM)
- ■ LME look-alike forwards and options (cash settled)

Physical
- ■ JPMorgan has the largest commercial precious metal vault in London and a gold vaulting facility in Singapore
- ■ JPMorgan is active in the industrial metals physical markets through the LME warrants platform and direct term contracts with our clients
- ■ 17 Henry Bath global locations (leased) with 11.6 million square feet storage capacity



SULLIVAN & CROMWELL LLP

TELEPHONE: 1-202-956-7500
FACSIMILE: 1-202-293-6330
WWW.SULLCROM.COM

1701 Pennsylvania Avenue, N.W.
Washington, D.C. 20006-5805

NEW YORK • LOS ANGELES • PALO ALTO
FRANKFURT • LONDON • PARIS
BEIJING • HONG KONG • TOKYO
MELBOURNE • SYDNEY

October 26, 2011

Confidential Treatment Requested

Ivan J. Hurwitz,
Vice President, Bank Applications,
Federal Reserve Bank of New York,
33 Maiden Lane,
New York, NY 10045.

Re: Notice Regarding LME Metals Warehousing

Dear Mr. Hurwitz:

On behalf of JPMorgan Chase & Co. ("*JPMC*"), I hereby withdraw the notice filed by JPMC with the Federal Reserve Bank of New York on June 9, 2011, requesting that the Board of Governors of the Federal Reserve System ("*Board*") determine that the activity of providing storage for commodities traded on the London Metals Exchange is permissible for JPMC pursuant to Section 4(k)(1)(B) of the Bank Holding Company Act of 1956, as amended, and Section 225.89 of the Board's Regulation Y (the "*Notice*").

For the reasons explained in my letter to you of June 8, 2011 transmitting the Notice, we are requesting confidential treatment for this letter, and additionally requesting that the Board not publish notice of withdrawal of the Notice in its H.2 Report.

We appreciate your attention to the Notice. Please contact me at (202) 956-7680 if you have any concerns or questions.

Sincerely,

Andrew S. Baer

cc: Rosalie Yee
(Federal Reserve Bank of New York)

Michael Waldron
(Board of Governors of the Federal Reserve System)

Diane M. Genova
Mark Lenczowski
(JPMorgan Chase & Co.)

Andrea R. Tokheim
(Sullivan & Cromwell LLP)

NOTICE

to the

BOARD OF GOVERNORS OF THE

FEDERAL RESERVE SYSTEM

by

JPMORGAN CHASE & CO.

Pursuant to Section 4(k)(1)(B) of the

Bank Holding Company Act of 1956,

as amended, and

12 C.F.R. §225.89

Submitted

August 18, 2010

NOTICE
to the
BOARD OF GOVERNORS OF THE FEDERAL RESERVE SYSTEM
(the “*Board*”)
by
JPMORGAN CHASE & CO.

Pursuant to Section 4(k)(1)(B) of the
Bank Holding Company Act of 1956,
as amended (the “*BHCA*”), and
Section 225.89 of the Board’s Regulation Y

JPMorgan Chase & Co. (“JPM Chase”) respectfully gives notice to the Board, pursuant to Section 4(k)(1)(B) of the BHCA, that its wholly owned non-banking subsidiary, J.P. Morgan Ventures Energy Corporation (“JPMVEC”), requests relief from a commitment JPMVEC has made in connection with taking and making physical delivery only of physical commodities for which derivative contracts have been authorized for trading on a U.S. futures exchange by the Commodity Futures Trading Commission (“CFTC”) In order to grant such relief to JPMVEC, JPM Chase asks the Board to grant JPMVEC approval under [illegible] 225.89 of the Board’s Regulation Y to be able to trade certain oil products described herein (the “Proposed Commodities”). JPM Chase asserts that JPMVEC’s trading of the Proposed Commodities would be complementary to a financial activity and would not pose a substantial risk to the safety or soundness of depository institutions or the financial system generally.

I. Request and Background

JPM Chase is a financial holding company engaged primarily in banking, investment banking and asset management. As a part of JPM Chase's business, JPMVEC enters into commodity derivatives contracts based on nonfinancial commodities, and makes and takes physical delivery and/or stores the underlying commodities, as permitted by Section 225.28(b)(8)(ii)(B) of the Board's Regulation Y and as previously approved for JPM Chase under Section 225.89 of the Board's Regulation Y (collectively, the "*Existing Business*").[1] JPMVEC now proposes to expand its Existing Business to include the ability to take and make physical delivery of asphalt, condensate, boiler cutter (also referred to as cutter stock), straight run and marine diesel (the "Proposed Commodities").

II. Discussion

The Board has previously determined that trading in the Proposed Commodities should be permitted as part of a physical commodity trading authority consistent with the Existing Business.[2] JPM Chase incorporates herein by reference the considerations that the Board cited in the RBS Order with respect to the Proposed Commodities. JPM Chase's trading limits and risk management program with respect to the Proposed Commodities are described in Confidential Exhibit A hereto.

---

[1] JPMorgan Chase & Co., 91 Fed. Res. Bull. C57 (2006); C54 (2005);

[2] The Royal Bank of Scotland Group plc, 94 Federal Reserve Bulletin C60 (2008) (the "RBS Order").

III. Commitments

In connection with its request for relief to conduct the Complementary Activity, JPM Chase makes the following commitment:

A. JPMVEC will include in the 5% aggregate market value limit for physical commodities that it holds at any one time as a result of physical commodity trading the market value of the Proposed Commodities. In addition, JPMVEC agrees to notify the Federal Reserve Bank of New York if the aggregate market value of commodities held under this approval exceeds 4 percent of JPM Chase's tier 1 capital.

IV. Conclusion

For the reasons set forth above, we believe that making and taking physical delivery of the Proposed Commodities, in the manner and under the conditions described, is fully consistent with a complementary activity and will not pose a risk to the safety and soundness of depository institutions or the financial system in general. Therefore, we respectfully request that the Board exercise its discretionary authority to authorize JPM Chase, through JPMVEC, to make and take physical delivery of the Proposed Commodities as a complementary activity to its physically-settled and financially-settled transactions in commodities derivatives on nonfinancial commodities, subject to the commitment contained herein.

FEDERAL RESERVE BANK *of* NEW YORK

33 LIBERTY STREET, NEW YORK, NY 10045-0001

August 9, 2012

Mark Lenczowski, Esq.
Managing Director
JPMorgan Chase & Co.
245 Park Avenue, 11th Floor
New York, New York 10167

Dear Mr. Lenczowski:

We acknowledge receipt of your letter dated August 7, 2012, advising this Reserve Bank that JPMorgan Chase & Co., New York, New York ("JPMC"), withdraws a filing made pursuant to Section 4(k)(1)(B) of the Bank Holding Company Act of 1956, as amended, and Section 225.89 of Regulation Y, requesting from the Board of Governors of the Federal Reserve System (the "Board"), relief from a commitment made by JPMC in connection with the conduct of its current commodity trading activities. As such, we have discontinued processing of the filing as of August 8, 2012.

Please be advised, however, that we are unable to retain the Official Record Copy of the filing. The Board is required to retain the Official Record Copy for a minimum period of time under applicable document retention requirements. Accordingly, the Official Record Copy may become the subject of a request under the Freedom of Information Act. The Board's procedures for addressing such requests are set forth in the "Rules Regarding Availability of Information," 12 C.F.R. Part 261.

If you have any questions, please call Vivian Liu, at (212) 720-2701, or the undersigned, at (212) 720-2740.

Sincerely,

Rosalie Yee

Rosalie Yee
Assistant Vice President
Bank Applications Function

cc: Board of Governors

T 212.720.2740 | F 212.720.1608 | E rosalie.yee@ny.frb.org | W www.newyorkfed.org

JPMORGAN CHASE & CO.

Kathryn V. McCulloch
Sr. Vice President & Associate General Counsel
Legal and Compliance Department

May 26, 2010

Received
MAY 2[illegible] 2010
2:24
Bank Applications

CONFIDENTIAL

Via Federal Express

Federal Reserve Bank of New York
Bank Applications Function
33 Maiden Lane, 27th floor
New York, NY 10045

Attention: Ms. Rosalie Yee

Re: Answer to Additional Questions Regarding RBS Sempra Commodities LLP
Application for Board Approval for an Acquisition under Section 4(k)
of the Bank Holding Company Act

Dear Ms. Yee:

As referenced in the letter dated today from JPMorgan Chase & Co. ("JPMC") to Mr. Scott Alvar[illegible] of the Board of Governors of the Federal Reserve System (the "Board"), enclosed please find Confidential Exhibit 1 to JPMC's responses to requests for additional information.

Redacted By
Permanent Subcommittee on Investigations

JPMorgan Chase & Co. • 270 Park Avenue, 38th Fl, New York, NY 10017
Telephone: 212 270 5922 • Facsimile: 212 270 2873
Kathryn.McCulloch@chase.com

Page(s)
Redacted By The
Permanent Subcommittee
on Investigation

Redacted By
Permanent Subcommittee on Investigations

All Oil Inventory Figures Are as of 31 January 2010 and are approximate
SOTSARL INVENTORY
1/31/2010

Booking Co	Book	Portfolio	Commodity	Location	Month	Quantity	Unit
SOTSARL	AV	91027	JET FUEL	Ghent	201101	44,022.37	MT
SOTSARL	AV	102576	JET FUEL	Antwerp	201003	24,490.93	MT
SOTSARL	AV	183476	JET FUEL	Gulfhaven	201101	24,657.83	MT
SOTSARL	AV	183476	JET FUEL	Gulfhaven	201101	29,908.52	MT

Error! Unknown document property name. 02/25/10 12:20 PM

CONFIDE

SOTSARL	AV	203153	JET FUEL	PetChemcar	201004	3,059.41	MT

Redacted by the Permanent Subcommittee on Investigations

RBS SOTSARL INVENTORY
1/31/2010

Booking Co	Book	Portfolio	Commodity	Location	Month	Quantity	Unit
RBSSOTSARL	AV	107816	JET FUEL	Grays/NuStar	201009	36,[illegible]3.36	MT
RBSSOTSARL	AV	108786	GASOIL 0.1	STS Malmo	201106	[illegible],136.[illegible]	MT
RBSSOTSARL	AV	108786	GASOIL 0.2	STS Malmo	201106	[illegible],624.66	MT
RBSSOTSARL	AV	108786	JET FUEL	STS Malmo	201106	1,[illegible]5.18	MT
RBSSOTSARL	AV	111520	GASOIL 0.2	STS Karlshamn	201101	2,793.99	MT
RBSSOTSARL	AV	118763	GASOIL 0.1	STS Norkoping	[illegible]	[illegible]0,072.23	MT
RBSSOTSARL	AV	118763	ULSD	STS Norkoping	201106	26,999.69	MT
RBSSOTSARL	AV	118765	GASOIL 0.1	NS Norkoping	20100[illegible]	12,127.23	MT
RBSSOTSARL	AV	121292	ULSD	NS Malmo	201106	7,938.03	MT
RBSSOTSARL	AV	121293	ULSD	NS [illegible]	201106	15,922.24	MT
RBSSOTSARL	AV	123248	GASOIL 0.2	NS Oskarshamn	201106	15,704.34	MT
RBSSOTSARL	AV	123248	JET FUEL	NS Oskarshamn	201106	11,815.36	MT
RBSSOTSARL	AV	123248	ULSD	NS Oskarshamn	201106	11,991.46	MT
RBSSOTSARL	AV	125895	JET FUEL	STS [illegible]	201106	72,571.34	MT
RBSSOTSARL	AV	127972	JET FUEL	NS Koping	201106	19,158.70	MT
RBSSOTSARL	AV	166987	GASOIL 0.1	Vopak	201003	25,952.31	MT
RBSSOTSARL	AV	17[illegible]54	ULSD	NS Lulea	201106	16,029.26	MT
RBSSOTSARL	AV	178627	ULSD	OTW Torm Ingeborg	201002	670,264.00	BBL
RBSSOTSARL	AV	[illegible]	JET FUEL	Simon/Immingham	201011	6,567.64	MT

Error! Unknown document property name. 02/25/10 12:20 PM

RBSSOTSARL	AV	185446	JET FUEL	NS Campbltown	201101	45,738.53	MT
RBSSOTSARL	AV	186394	GASOIL 0.2	STS Gavle	201106	171,332.95	MT
RBSSOTSARL	AV	189306	GASOIL 0.1	STS Gavle	201106	86,048.00	MT
RBSSOTSARL	AV	194746	GASOIL 0.1	OTW Serengeti	201003	259,326.00	BBL
RBSSOTSARL	AV	194746	ULSD	OTW Serengeti	201003	241,731.00	BBL
RBSSOTSARL	AV	200979	ULSD	Simon/Immingham	201006	10,186.80	MT
RBSSOTSARL	AV	202424	ULSD	Scirocco	201003	-	BBL
RBSSOTSARL	AV	204717	JET FUEL	Simon/Immingham	201008	7,952.35	MT
RBSSOTSARL	AV	207967	JET FUEL	Simon/Immingham	201101	12,1[illegible]9.29	MT
RBSSOTSARL	AV	209728	JET FUEL	Vopak DU	201101	1[illegible],34[illegible]5	MT
RBSSOTSARL	AV	214602	JET FUEL	Nustar Eastham	201001	[illegible]1,837.4[illegible]	MT
RBSSOTSARL	AV	219037	GASOIL 0.1	OTW Ratna Shradha	201002	[illegible],690.00	MT
RBSSOTSARL	AV	219037	GASOIL 0.1	OTW Ratna Shradha	20100[illegible]	43,83[illegible].00	MT

Redacted By

Permanent Subcommittee on Investigations

Page(s)
Redacted By The
Permanent Subcommittee
on Investigation

Global Commodities Group
Operating Risk Committee

Meeting – February 11, 2011

AGENDA

1. Charter of the Operating Risk Committee – R. Trejo (attachment for reference) *incorporating changes approved at last ORC Meeting*

2. Review and disposition of significant GCG operating events:
    a. Henry Bath loss in Gary, Indiana: claim against KTN – S. Tipples

3. Review and disposition of requests to the ORC:
    a. NBIA for Grain Inventory Financing – Will Shropshire
    b. NBIA for Physical Uranium – Alex Merz (attachment for discussion)

4. Review of regulatory commitments related to operating risk:
    a. Meeting with FSA on Operating Risk – R. Trejo

5. Review and approve policies, procedures and projects:
    a. Status of Risk Engagement with DNV – R. Trejo (attachment)
    b. Vendor Framework status – R. Trejo (attachment)

6. Other business

Global Commodities Group

Operating Risk Committee

Charter

The Global Commodities Group (GCG) Operating Risk Committee is hereby formed and tasked with the following responsibilities.

1. Understands operating risks inherent in the GCG physical commodities businesses and ensures appropriate mitigants are established and maintained, including insurance coverage.
2. Reviews, sets conditions in conjunction with business partners, and approves new activities that have physical operating risk components.
3. Reviews and approves as necessary policies and procedures related to the trading and handling of physical commodities, including production, transportation, storage, delivery and scheduling/traffic.
4. Oversees the work of the GCG Vendor Risk Committee (VRC); evaluates and takes action on items escalated from the VRC.
5. Ensures significant events are reviewed and actions taken to prevent recurrence.
6. Amends this charter, including membership and frequency of meetings, as required by the scope of business activities in physical commodities.

The Operating Risk Committee is made up of the following members:

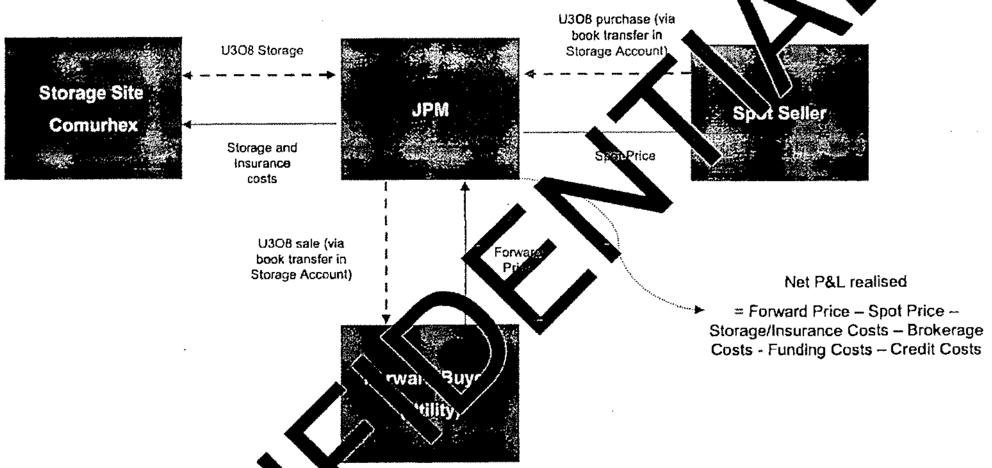
1. GCG Chief Financial Officer – Chair – *Dan Hines*
2. GCG Operating Risk Manager – Secretary – *Bob Trejo*
3. Head of GCG *Blythe Masters*
   GCG business heads for:
   4. Global Oil *Jeff [illegible]*
   5. Global Power & Gas *Paul Posoli*
   6. Global Metals *Peter Sellars*
   7. EMEA Region *Catherine Flax*
   8. Asia Region *Ray Eyles*
9. Operations *Stu Rubenstein*
10. Corporate Insurance *Vidya Goberdhan*
11. Legal and Compliance *Mark Lenczowski / Ari Nakkob*
12. Internal Audit *Charlie Wright*
13. Credit Risk *Jim Ballentine*
14. Market Risk *John Anderson*
15. Environmental Affairs *Jim Fuschetti*
16. Global Security and Investigations *Tim McNulty*

The GCG Operating Risk Committee meets bi-monthly.

As approved 1 December 2010

Page(s)
Redacted By The
Permanent Subcommittee
on Investigations

Marketing of Physical Uranium NBIA: Overview of Transaction


U3O8 Storage
Storage Site
Comurhex
Storage and insurance costs
JPM
U3O8 purchase (via book transfer in Storage Account)
Spot Seller
Spot Price
U3O8 sale (via book transfer in Storage Account)
Forward Price
Forward Buyer (Utility)

Net P&L realised

= Forward Price – Spot Price – Storage/Insurance Costs – Brokerage Costs - Funding Costs – Credit Costs

- **Spot (or prompt) leg:** We buy spot U3O8 from client A at the Comurhex storage site in France (i.e. the U3O8 is already at the storage site, the material never moves). Sale is through a book transfer from Client A's account with Comurhex to JP Morgan's account at Comurhex. Payment happens post delivery, so we trade this leg on a spot basis and there is no credit risk to client A. For clients where credit is available, this might be traded on a short-dated basis e.g. One month or one quarter forward
- **Storage leg:** Storage in France. We have full title to the material in storage at the Comurhex site (storage operator Areva), although it is co-mingled with other material. Storage agreement signed with the storage site.
- **Forward leg:** We sell on a forward basis to client B. Again no movement of material happens and sale is via book transfer at Comurhex site

Marketing of Physical Uranium NBIA: Why should we be comfortable?

- Yellowcake is classified by The International Atomic Energy Agency (IAEA) as a group 1 low specific activity material (i.e. yellowcake is a radioactive substance with a very low level of radioactivity).
- Yellowcake is not enriched uranium - considerable processing, including conversion and enrichment, is needed to turn it into something that can be used for weapons.
- The nuclear industry is one of the most highly regulated industries in the world with licensing requirements for construction, operation and decommissioning of all operations involved in the nuclear fuel cycle.
    - IAEA (International Atomic Energy Agency) a UN body helps safeguard and verifies uranium production and supply. Every supply has a stamp of origin. Miners must code their supply before transport to storage and traders can request particular material from its origin.
- Relative to other forms of generation, it has a good health and safety record.
- We are not transporting it – is transacted by 'book transfer' from the vendor's account to the purchaser's account held with the converter or enricher
- Liability and licensing rests with the storage facility / converter
- We are requesting to set up only Comurhex as our due diligence tells us this is the most robust facility and storage agreement
- Deal team to conduct site visit and review all Health and Safety policies of Comurhex plus insurance documentation

Page(s)
Redacted By The
Permanent Subcommittee
on Investigations

Morgan Stanley

MORGAN STANLEY CAPITAL GROUP INC.
2000 WESTCHESTER AVENUE
PURCHASE, NY 10577-2530

July 1, 2013

CONFIDENTIAL TREATMENT REQUESTED

Steven A. Mirsky
Assistant Vice President
Financial Institution Supervision Group
Federal Reserve Bank of New York
33 Liberty Street
New York, NY 10045-0001

Dear Mr. Mirsky:

This letter is in response to your email dated June 3, 2013 in which you requested information regarding Morgan Stanley commodities activities. For ease of reference, the requests to which these responses relate are repeated below.

1. Update the information that you provided to the Federal Reserve in the letters dated May 17 and May 31, 2011. In particular, provide the following information:

Similar to the responses provided by Morgan Stanley to the Federal Reserve in the May 17, 2011 and May 31, 2011 letters (the "Prior Letters"), please note that the response to request 1 is limited to the provision of information regarding total consolidated assets, revenues and profits for (i) Morgan Stanley and (ii) the Commodities Division. While there may be limited exposure to commodities elsewhere in Morgan Stanley, the overwhelming majority of business in physical commodities resides in the Commodities Division.

(a) ***Total assets of the firm which are associated with its commodities activities which, in the firm's view, are grandfathered under Section 4(o) ("proposed 4(o) commodities activities"). For this purpose, all assets associated with the firm's proposed 4(o) activities (e.g., power plants, warehouse facilities) should be included, not just the value of the firm's commodities inventory/positions.***

Attached as Exhibit A is a spreadsheet containing assets of the Commodity Division grandfathered under Section 4(o) as of March 31, 2013, calculated by trading desk. The amount of total assets indicated on Exhibit A includes the results of netting agreements between the relevant Morgan Stanley entity and its counterparties in Section 4(o) commodities; with respect to a given counterparty, no netting effect was given to transactions in Section 4(o) commodities against cash-settled transactions. In addition, the amount of total assets does not include the application of cash collateral pledged to Morgan Stanley because of the inherent difficulty in determining the allocation between exposure generated as a result of transactions in Section 4(o) commodities and exposure generated as a result of financial transactions. This has been prepared in accordance with GAAP accounting.

To assist the Federal Reserve in its analysis of the information in Exhibit A, following is a description of the composition of certain of the asset classes listed on Exhibit A. "Corporate and Other Debt" includes assets attributed to volumetric production payment transactions. "Derivative Contracts" represents the position of overall derivative balances that relate to physically-settled spot, forward, option and other similar transactions. As a result of the existence of master agreements and margining across desks, asset allocation methodologies are applied to generate the desk break out.

There are two references to investments in the spreadsheet. The first reference, "Investments", captures minority-owned and fair-valued equity investments. The second reference, "Other Investments", represents Morgan Stanley's non-fair-valued minority investments. The next category, "Physical Commodities", represents all physical commodities held in inventory other than gold, silver, platinum, palladium and copper. "Premises, equipment and software cost (net of accumulated depreciation)" reflects Morgan Stanley's ownership of three power plants, TransMontaigne Inc., Wellbore Capital, LLC and any other consolidated entity that owns premises and equipment involved in Section 4(o) commodities activities. "Intangible assets, net of accumulated amortization" refers to energy management agreements. Finally, "Other Assets" includes $63MM of solar project development equipment.

(b) ***With respect to the value of the assets, we would appreciate both fair market values and GAAP values if both are available.***

The asset values provided in the top half of the spreadsheet in Exhibit A are GAAP values. The contracts, activities and assets where economic value diverges from GAAP balance sheet value are identified at the bottom of page 2 of Exhibit A.

(c) ***Total revenues and profits generated by the firm's proposed 4(o) commodities activities/assets.***

As we indicated in the Prior Letters, Morgan Stanley conducts an integrated commodities business and, as such, our management information systems are not built to break out revenues and profits by commodities activities that are only permissible under Section 4(o) from those that are permissible under Regulation Y. For any product group, Morgan Stanley reports revenue and profits based on results from both Regulation Y financial activities (swaps and certain futures, physically settled forwards in gold, silver, platinum, palladium and copper and cash) and Section 4(o) commodities activities. As an alternative measure of Morgan Stanley's Section 4(o) commodities activities/assets, we have indicated, in Exhibit B, a subjective view of the significance of such activities/assets to profit before tax for each of the trading desks listed there.

(d) ***The firm's consolidated assets, revenues, and profits associated with the firm's proposed 4(o) commodities activities broken down by activity if possible (trading, transportation, storage, generation, extraction).***

As noted in the Prior Letters, Morgan Stanley is unable to provide the detailed information relating to revenues, assets and profits broken down by activity. Morgan Stanley's management information systems do not currently track information in this manner, and major changes would be necessary in order to do so.

In this submission, Morgan Stanley provides an estimate of assets associated with its commodities activities which are grandfathered under Section 4(o), but provides these estimates by desk as opposed to by particular activity. We believe this to be the most feasible method of calculation given the circumstances of the Federal Reserve's request and Morgan Stanley's management information systems.

(e) ***The firm's total consolidated assets, revenues and profits.***

Attached as Exhibit C is a copy of Morgan Stanley's Form 10-Q for the quarterly period ended March 31, 2013, which presents Morgan Stanley's total consolidated assets, revenues and profits.

(f) ***The firm's total consolidated assets, revenues, and profits associated with its overall commodities activities.***

Attached as Exhibit D is (a) a Statement of Assets of the Commodities Division, which provides information regarding the Commodities Division's total assets (see column entitled "Commodities") and (b) the assets attributed to each desk within the Commodities Division as of March 31, 2013.

Please note that the assets have been calculated per desk, and not broken down according to the authority available to conduct the activities of such businesses. As such, these numbers cannot be used for calculating the 5% consolidated asset threshold provided for in Section 4(o)(2) of the Bank Holding Company Act. In particular, a portion consists of assets, such as cash settled commodities futures, options and over-the-counter derivatives, permitted to be held by a financial holding company under Section 4(k) of the Bank Holding Company Act without reliance on Section 4(o).

Exhibit B, referenced above, is a spreadsheet containing net revenues, expenses and profit before tax for the Commodities Division (see row entitled "Commodities"), as well as of the commodity sub-groups within that Division, for the years 2008 through 2012 and the first quarter of 2013.

As noted in Exhibit B, while revenues are reported by desk, certain expenses are not allocated to the individual desks, but rather are allocated to "Commodities Other". For example, an outside counsel invoice might reflect services that are attributable to

Commodities as a whole and not to the activities of specific desks. In addition, historical expense allocations may be further limited by changes in reporting lines (e.g., desk hierarchy changes). For example, over the periods presented, "Dry Freight" transitioned between reporting into "AP EU Electric Natural Gas" and being a distinct trading desk. Exhibit B also notes that "economic" compensation is presented and the GAAP expense impact of deferrals and amortization of prior year deferrals are not included. Please also note that the Revenue and Expense amounts presented for periods prior to 2011 will vary marginally from the May 2011 submission due to GAAP Income Statement Discontinued Operations restatements.

(g) ***The firm had previously provided a list of commodities activities it engaged in as of 9/30/1997. Has the firm identified other commodities activities it engaged in as of that date that should be added to the list?***

We have been unable to identify any additional commodities activities in which Morgan Stanley engaged or held investments, directly or indirectly, on or prior to September 30, 1997, which have not been previously provided to Federal Reserve staff in connection with the Federal Reserve's analysis of Morgan Stanley's commodities activities under Section 4(o) of the Bank Holding Company Act as updated in the May 17, 2011 letter. Although we made every effort to ensure the accuracy of the information provided in our prior submissions, during the course of conducting the research for this request, we recently uncovered additional information that has prompted us to undertake a review of some of the information previously provided regarding certain investments outside of the Commodities Division. We will provide updated information upon completion of our review, if necessary.

2. Discuss any plans of the firm to engage in new or additional commodities activities.

Morgan Stanley currently does not have plans to engage in new or additional types of commodities activities based on our understanding of that term. As you may know, Morgan Stanley and the legal staff of the Board of Governors of the Federal Reserve System ("Board") had been in discussions in 2011 regarding the scope of Section 4(o) as it related to Morgan Stanley's physical commodities activities. On June 21, 2011, Morgan Stanley's counsel, Davis Polk & Wardwell LLP ("DPW"), was informed by Board legal staff that until the Board reached a final decision on the interpretation of Section 4(o), Morgan Stanley could continue to engage in any types of activities it was engaged in when it became a financial holding company in 2008. However, Morgan Stanley was advised that it should not commence any entirely new types of activities without first discussing the matter with the Board's legal staff.

In light of the foregoing, Morgan Stanley would only resume planning for new or additional commodities activities after the Board issues an interpretation of Section 4(o). If we were to pursue new or additional commodities activities, we would have brought specific new proposals to Board staff for review, which we have not done since 2011. In connection with the Board's ongoing consideration of these issues, Morgan Stanley would respectfully refer to the legal memorandum dated May 27, 2011 from Randall Guynn of DPW to Scott Alvarez, which sets forth our belief that the 4(o) grandfather authority allows us to continue to engage in the trading, selling, investing or other related activities (regardless of the type of commodities or underlying physical properties involved), subject only to the asset limits and cross-marketing restrictions included in Section 4(o) itself. We welcome the opportunity to have further discussions with Board or Reserve Bank staff regarding our analysis of the 4(o) grandfather authority.

3. Discuss the firm's risk management framework for managing its physical commodities activities, including the extent to which the firm relies on third-party insurance to mitigate its risks. Please describe the type(s) and amount of insurance that the firm carries in connection with its commodities businesses, including any material exclusions to coverage. Please also describe the process and analysis the firm used to determine that tbis type and amount of insurance is appropriate for its commodities business and the different risks associated with those businesses.

Subsequent to the receipt of your June 3, 2013 email, we were informed that this request is primarily focused on operational risk. Our response, accordingly, addresses the firm's operational risk controls regarding its physical commodities activities.

As you are aware, during the various examinations conducted by Federal Reserve staff, representatives from both the business unit and the control groups, such as Compliance, Controllers, Market Risk, Credit Risk, as well as Internal Audit, described various risk management and monitoring processes that relate to the operational risks associated with physical commodities activities. In addition to those processes, Morgan Stanley manages and measures operational risks through the following cross-divisional risk management framework.

The Physical Operating Risk Steering Group ("Steering Group"), co-chaired by Morgan Stanley Commodity Division's ("MSCD") global Chief Operating Officer and the managing director in charge of the global commodities legal coverage group, reviews business activities relating to physical commodities to (a) identify operating risks relating to the ownership and operations of the global physical commodities activities of MSCD; (b) develop and implement properly documented processes and procedures to measure and manage physical operating risks and (c) enhance awareness among relevant personnel of such risks and the importance of responsibly following such policies and procedures. Members of the Steering Group include representatives from the Legal and Compliance Division, the Operational Risk Department, and the Risk and Insurance Management Department, as well as representatives from the business unit, specifically Traffic and Scheduling and the regional Commodities Chief Operating Officers.

The Steering Group is charged with establishing and assessing operating risk measures and standards, recommending global commodity policies related to physical operating risk, identifying, reviewing and evaluating significant physical operating risk developments (either internal or external) that may have material consequences to MSCD or the firm (e.g., product spills, debriefing of emergency response drills, reviews of marine and storage environmental liability under various state and international jurisdictions and significant changes or potential changes in law, rules or regulations that pose a material increase in operating risks), and monitoring physical operating risk procedures and risk mitigation efforts including mitigation strategies.

In addition to the Steering Group, the firm's Fixed Income and Commodities ("FIC") Non-Market Risk Team conducts Monthly Operational Risk Review meetings in both the U.S. and EMEA. These meetings include representatives from FIC Non-Market Risk, Commodities Chief Operating Officers, Operations, Controllers, Compliance, [illegible], Market Risk, Credit Risk, Operational Risk Department, Legal and Internal Audit. The meetings are used to discuss current operational risk issues, to formally review newly reported operational risk incidents ("ORIs"), to review the status of previously reported ORIs and events which may constitute potential ORIs but have not yet been reported, to discuss external incidents of note involving operational risk issues, and to review KRI/KCI metrics for the business.

We have provided additional details and information regarding risk management in various presentations and filings with the Federal Reserve. For further details and information regarding the Steering Group and the Monthly Operational Risk Review, see, for example, the Firm's response to the EU Power & Gas Physical Commodity Examination, dated April 16, 2013.

The firm's Risk and Insurance Management Department ("RIMD") is responsible for the placement and management of the Commodities Division's insurance program, working with insurance brokers to ensure that the business has appropriate insurance coverage. In this connection, RIMD analyzes and reviews Commodities Division's exposure related to ownership of physical commodities by examining reports and information provided by the Commodities Division such as storage activity reports, transit activity report, pipeline flow information, chartered vessel information and power plant reports. RIMD also assesses the Commodities Division's potential liability and risk using internal information as well as industry information and data, including the performance of "Peer" benchmarking. RIMD, along with the Legal and Compliance Division, evaluates agreements and contracts, such as storage terminal contracts, pipeline contracts, transactional documentation, etc., for insurance requirements and obligations. Attached as Exhibit [illegible] is a copy of the June 2013 Commodities Insurance Guide which contains detailed descriptions of the Commodities Division insurance coverage.

We request that this letter be accorded confidential treatment under the Freedom of Information Act, 5 U.S.C. § 552 ("FOIA"), the Federal Reserve's implementing regulations, 12 C.F.R. Part 261 and any other applicable law. The nature of the information contained herein is confidential, commercial or financial information that is confidential and exempt from disclosure under 5 U.S.C. § 552(b)(4) and 12 C.F.R. § 261.14(a)(4). In addition, this is provided as supervisory and examination information [illegible] a banking regulator, and it is exempt under exemption (b)(8) of the Freedom of Information Act, 5 U.S.C. § 552(b)(8) and 12 C.F.R. § 261.14(a)(8). Should the Federal Reserve receive a request for disclosure of this letter or otherwise make a determination to disclose its contents, we assert all applicable FOIA exceptions or other exemptions from disclosure, and we request advance notice and a reasonable opportunity to contest such disclosure to the full extent provided by law.

Should you have any additional questions about the information submitted with this letter, please contact the undersigned at 914-22[illegible]-1700 or Martin.Mitchell@morganstanley.com.

Sincerely,

Martin Mitchell
Managing Director &
Chief Operating Officer
Commodity Division

Page(s) Redacted By The Permanent Subcommittee on Investigations

Global Commodities
BCC
September 28, 2009

The information in this document is confidential and should not be distributed to unauthorized personnel, nor should it be forwarded to other personnel through an unsecured means

JPMorgan

**Page(s)
Redacted By The
Permanent Subcommittee
on Investigations**

NBIA Update

▬ = Redacted by the Permanent Subcommittee on Investigations

NBIA Pipeline Report for Global Commodity Group

Region	LOB 3	Initiative Approver	Initiative Name	Initiative Description	Date in Pipeline	Key Risk Areas Impacted	Economic Rationale	Risk Rank	Priority	Target Live Date	Days in Pipeline	Status
[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
Americas, Asia Pacific, EMEA	Global Energy	Blythe Masters	Global Physical Coal & Dry Bulk Freight	Participate in the entire coal value chain. Will allow JPM to service existing utility, industrial & mining company customer base. Can offer financing structures linked to physical coal offtake. The dry bulk freight market is an essential component of the physical coal business.	28-[illegible]-08	Compliance, Credit, Finance, Legal, Market Risk, Operations, Tax, Technology	Offtake contracts to responding to longer term utility coal tenders. Will allow JPM to service existing utility, industrial and mining company customer base. Can offer financing structures linked to physical coal off take. Incremental revenues estimated at [redacted]. Impact on RWA = TBD	2	B	30-Nov-09	484	Under Development
[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
Americas, EMEA	Global Energy	Blythe Masters	Physical Uranium	EMEA Commodities would like to explore its relationship with a major uranium enricher – Urenco and put structured hedging transactions in place such as prepayments, forward sales and spot transactions which require holding inventory in various Uranium products (U308, UF6, SWU, EUP).	8-Sep-08	Finance, Legal, Market Risk, Operations, Tax, Technology, Treasury - Funding & Issuance, Valuation	with Urenco. First trade is a smaller test transaction with a $700k client value followed by a larger transaction with est $10m CV. Potentially further transactions if these trades are successful	2	A	16-Sep-08	16	Under Development

▬ = Redacted by the Permanent Subcommittee on Investigations

The Goldman Sachs Group, Inc.
As of 3/31/2013

Commodity, Energy, E&P, Renewable Energy Equity Investments*

The investments listed below include all equity investments where (a) the firm's investment is 20% or more of the company or (b) have a cost basis or current value of at least $200m, in entities the primary business of which is that of a producer or processor of, owner/operator of logistical facilities (including storage and transportation) for, or provider of logistical service in relation to, physical commodities. This does not include debt / loan investments.

						MBD Fund Values				
Region	Portfolio / Company Name	Date of Investment	Domicile	Commodity / Sector	Description	Market Value ($mm)	GS Q1'13 Carrying Value / GS Equity at Risk (1) ($mm)	GS Board Seats / Total Board	MBD Fund Ownership % of Portfolio Company	MBD Fund Family which have invested in Portfolio Company
MBD:										
Upstream Oil & Gas										
1	Cobalt International Energy, Inc.	21 Nov 2005	United States	Energy, Power and Utilities	Operator of a start-up oil and gas exploration company.	$ [redacted]	[redacted]	2 / 12	12.7 %	GSCPVI Family; GSCP V Family
	EdgeMarc Energy Holdings, LLC	16 Aug 2012	United States	Energy, Power and Utilities	Oil and gas exploration and production company with an operations focus on the Marcellus and Utica/Point Pleasant shale plays	$ [redacted]	[redacted]	3/7	70.1 %	Bridge Street 2011; Bridge Street 2012; GSCPVI Family; MBD 2011
	EdgeMarc Energy Holdings, LLC [Energy Fund]	25 Jan 2013	United States	Energy, Power and Utilities	Oil and gas exploration and production company with an operations focus on the Marcellus and Utica/Point Pleasant shale plays	$ [redacted]	[redacted]	3 / 7	28.8 %	BSEP
2	**EdgeMarc Energy Total**					$ [redacted]	[redacted]		**98.9 %**	
3	EF Energy Holdings, LLC	28 Jun 2010	United States	Natural Resources	A start-up upstream oil and gas company	$ [redacted]	[redacted]	3 / 7	98.3 %	GSCPVI Family; Opportunity Partners Offshore-B Co-Invest AIV, L.P.
4	EW Energy Holdings, LLC	07 Sep 2012	United States	Energy, Power and Utilities	Oil and gas exploration and production company with an operations focus in the Permian Basin in West Texas	$ [redacted]	[redacted]	3 / 6	99.0 %	Bridge Street 2012; BSEP; MBD 2011
Midstream Energy										
	Associated Asphalt Partners, LLC	09 Mar 2012	United States	Energy, Power and Utilities	Independent asphalt terminalling and storage business with 10 asphalt terminals located throughout the Mid-Atlantic and Southeastern U.S.	$ [redacted]	[redacted]	3 / 4	75.2 %	Bridge Street 2011; GSCPVI Family; MBD 2011
	Associated Asphalt Partners, LLC [Energy Fund]	28 Sep 2012	United States	Energy, Power and Utilities	Independent asphalt terminalling and storage business with 10 asphalt terminals located throughout the Mid-Atlantic and Southeastern U.S.	$ [redacted]	[redacted]	3 / 4	21.0 %	BSEP
5	**Associated Asphalt Total**					$ [redacted]	[redacted]		**96.2 %**	
	Endesa Gas T&D, S.L.	16 Dec 2010	Spain	Energy, Power and Utilities	Natural gas distribution and transmission business in Spain	$ [redacted]	[redacted]	5 / 6	62.8 %	GS Infrastructure Partners II
	Endesa Gas (SAF)	17 Dec 2010	Spain	Energy, Power and Utilities	Natural gas distribution and transmission business in Spain	$ [redacted]	[redacted]	5 / 6	17.2 %	Endesa_Co-Invest
6	**Endesa Gas Total**					$ [redacted]	[redacted]		**80.0 %**	
Power										
7	Elenia Oy	10 Jan 2012	Finland	Energy, Power and Utilities	Operates an electricity distribution network in Finland	$ [redacted]	[redacted]	2/8, 1/4* (*represents Elenia Lampo Oy subsidiary)	45.0 %	GS Infrastructure Partners II

▬ = Redacted by the Permanent Subcommittee on Investigations

The Goldman Sachs Group, Inc.
As of 3/31/2013

Commodity, Energy, E&P, Renewable Energy Equity Investments*

The investments listed below include all equity investments where (a) the firm's investment is 20% or more of the company or (b) have a cost basis or current value of at least $200m, in entities the primary business of which is that of a producer or processor of, owner/operator of logistical facilities (including storage and transportation) for, or provider of logistical service in relation to, physical commodities. This does not include debt / loan investments.

Region	Portfolio / Company Name	Date of Investment	Domicile	Commodity / Sector	Description	MBD Fund Values Market Value ($mm)	GS Q1'13 Carrying Value / GS Equity at Risk (1) ($mm)	GS Board Seats / Total Board	MBD Fund Ownership % of Portfolio Company	MBD Fund Family which have Invested in Portfolio Company
	Energy Future Holdings Corp.	10 Oct 2007	United States	Energy, Power and Utilities	Portfolio of regulated energy commodities, including TXU, Luminant and Oncor	$ [redacted]	[redacted]	3 / 14	9.6 %	GSCPVI Family
	Energy Future Holdings Corp. (Corp SAF)	28 Nov 2007	United States	Energy, Power and Utilities	Portfolio of regulated energy commodities, including TXU, Luminant and Oncor	$ [redacted]	[redacted]	3 / 14	2.6 %	Goldman Sachs TXU Investors
	Energy Future Holdings Corp. [Infra]	10 Oct 2007	United States	Energy, Power and Utilities	Portfolio of regulated energy commodities, including TXU, Luminant and Oncor	$ [redacted]	[redacted]	3 / 14	6.1 %	GS Infrastructure Partners I
8 (2)	**Energy Future Holdings Total**					$ [redacted]	[redacted]		**18.3 %**	
9	Japan Renewable Energy Co., Ltd.	04 Sep 2012	Japan	Energy, Power and Utilities	Independent renewable energy platform of solar and wind generation projects in Japan	$ [redacted]	[redacted]	4 / 4	100.0 %	GS; GS Infrastructure Partners II
	ReNew Power Ventures Private Limited	22 Sep 2011	India (via Asia)	Energy, Power and Utilities	ReNew Wind power is a renewable energy company currently focused on Wind power	$ [redacted]	[redacted]	3 / 5	64.5 %	Bridge Street 2011; GSCPVI Family; MBD 2011
	ReNew Power Ventures Private Limited [Energy Fund]	28 Sep 2012	India (via Asia)	Energy, Power and Utilities	ReNew Wind power is a renewable energy company currently focused on Wind power	$ [redacted]	[redacted]	3 / 5	20.5 %	BSEP
10	**Renew Power Total**					$ [redacted]	[redacted]		**85.0 %**	
Energy Services										
11	CEONA	31 May 2011	Norway	Energy, Power and Utilities	Owner and operator offshore construction and support vessels for oil and gas	$ [redacted]	[redacted]	1/6, 2/7* (*Ceona Holdings Ltd. Advisory Committee)	82.9 %	GSCPVI Family
	Expro International Group Limited	22 Apr 2008	United Kingdom	Energy, Power and Utilities	Provider of oil field services and products	$ [redacted]	[redacted]	2 / 12	39.0 %	GSCPVI Family
	Expro International Group Limited (SAF)	05 Jan 2009	United Kingdom	Energy, Power and Utilities	Provider of oil field services and products	$ [redacted]	[redacted]	2 / 12	1.8 %	GSCP Expro Investors Offshore, L.P.
	Expro International Group Ltd. [Mezzanine]	14 Jul 2008	United Kingdom	Energy, Power and Utilities	Provider of oil field services and products	$ [redacted]	[redacted]	2 / 12	1.9 %	Mezzanine5
12	**Expro International Group Total**					$ [redacted]	[redacted]		**42.7 %**	
13	Pipeline Supply & Service, LLC	19 Mar 2013	United States	Services and Distribution	Distributor of specialized consumable products to the midstream oil and gas pipeline contracting industry	$ [redacted]	[redacted]	3 / 6	90.0 %	Bridge Street 2013; BSEP; MBD 2013
14	Tervita Corporation	08 Nov 2007	Canada	Energy, Power and Utilities	Provider of integrated energy and environmental waste management services	$ [redacted]	[redacted]	1 / 9	14.9 %	GSCPVI Family
Transportation										
15	ABP (Jersey) Limited	25 Aug 2006	United Kingdom	Transportation	ABP port group with 21 ports in England, Scotland and Wales	$ [redacted]	[redacted]	2 / 12	23.3 %	GS Infrastructure Partners I

▬ = Redacted by the Permanent Subcommittee on Investigations

The Goldman Sachs Group, Inc.
As of 3/31/2013

Commodity, Energy, E&P, Renewable Energy Equity Investments*

The investments listed below include all equity investments where (a) the firm's investment is 20% or more of the company or (b) have a cost basis or current value of at least $200m, in entities the primary business of which is that of a producer or processor of, owner/operator of logistical facilities (including storage and transportation) for, or provider of logistical service in relation to, physical commodities. This does not include debt / loan investments.

Region	Portfolio / Company Name	Date of Investment	Domicile	Commodity / Sector	Description	MBD Fund Values Market Value ($mm)	GS Q1'13 Carrying Value / GS Equity at Risk (1) ($mm)	GS Board Seats / Total Board	MBD Fund Ownership % of Portfolio Company	MBD Fund Family which have invested in Portfolio Company
	Carrix, Inc.	04 Sep 2007	United States	Transportation	A diversified global company with over 11 container terminals, conventional cargo, rail and related operations at over 100 locations in the Americas	$	[redacted]	2 / 5	27.3 %	GS Infrastructure Partners I
	Carrix, Inc. (SAF)	23 Oct 2007	United States	Transportation	A diversified global company with over 11 container terminals, conventional cargo, rail and related operations at over 100 locations in the Americas	$	[redacted]	2 / 5	21.6 %	GSPx Carrix Co-Invest; GSPx2 Carrix Co-Invest; Px3 Carrix Co-Invest
16	Carrix Total					$	[redacted]		48.9 %	
17	Kenan Advantage Group	11 Jun 2010	United States	Transportation	Provider of "last mile" fuel delivery services on a dedicated basis in the U.S. and transporter of chemicals and liquid food grade products	$	[redacted]	3 / 11	51.2 %	GSCPVI Family
Manufacturing / Industrial										
18	Mintal Group Co. Ltd.	11 Jun 2008	China	Manufacturing / Industrial	Largest high-carbon ferrochrome producer in China with an annual capacity of 200k metric tons	$	[redacted]	1 / 5	24.5 %	GS Direct Family
19	MRC Global Inc.	31 Jan 2007	United States	Manufacturing/Industrial	Distributor of pipes, valves and fittings to the oil and gas industries	$	[redacted]	3 / 12	17.0 %	GSCPV Family; GSCPVI Family
20	Sprint Industrial Holdings LLC	31 Oct 2007	United States	Manufacturing / Industrial	Provider of industrial equipment rentals used in turnaround and maintenance operations in the refining, petrochemical, and oilfield services industries	$	[redacted]	1 / 7	24.9 %	GS Direct Family
Storage										
21	Americold Realty Trust	15 Dec 2010	United States	Services and Distribution	Temperature-controlled warehousing, with the largest network in the US and properties in Australia, New Zealand, China, Argentina and Canada.	$	[redacted]	2/9	27.0%	GSCPVI Family; Opportunity Partners Offshore-B Co-Invest AIV, L.P.

(1) GS Carrying Value is shown for private equity investments and GS Equity at Risk is shown for consolidated investment entities. GS Equity at Risk is
(2) Note: Energy Futures Holding is included on the basis of cost.

▬ = Redacted by the Permanent Subcommittee on Investigations

The Goldman Sachs Group, Inc.
As of 3/31/2013

Commodity, Energy, E&P, Renewable Energy Equity Investments*

The investments listed below include all equity investments where (a) the firm's investment is 20% or more of the company or (b) have a cost basis or current value of at least $200m, in entities the primary business of which is that of a producer or processor of, owner/operator of logistical facilities (including storage and transportation) for, or provider of logistical service in relation to, physical commodities. This does not include debt / loan investments.

Region	Portfolio / Company Name	Date of Investment	Domicile	Commodity / Sector	Description	GS Carrying Value / GS Equity at Risk (1) ($mm)	GS Board Seats / Total Board	% Holding as of Q1'13	GS Legal Entity Holdings Investment
Global Commodities:									
Upstream Oil & Gas									
	Canamens Limited	28 Aug 2008	Cyprus	Energy, Power and Utilities	Oil & gas exploration & production company	$ [redacted]	2/4	34.0 %	GS Strategic Investments UK
Midstream Energy									
Power									
	Eti Elektrik Üretim A.S (2)	15 Oct 2008	Turkey	Energy, Power and Utilities	Hydro power generation facilities	$ [redacted]	2/3	100.0 %	CGX Energy LLC
	Cedar Bay Generating Company, L.P. (3)	31 Dec 2003	United States	Energy, Power and Utilities	Coal fired power generation facility	$ [redacted]	2/6	45.0 %	CGX Energy LLC
	CI Colombia Natural Resources I S.A.S.	19 Mar 2010	Colombia	Energy, Power and Utilities	Operates coal mines in the Republic of Colombia	$ [redacted]	4/4	100.0 %	GS Power Holdings LLC
	CNR III Ltd Sucursal Colombia	22 Jun 2012	Colombia	Energy, Power and Utilities	Operates coal mines in the Republic of Colombia	$ [redacted]	4/4	100.0 %	GS Power Holdings LLC
Storage									
	Metro International Trade Services LLC	18 Feb 2010	United States	Metal Storage	Warehouse operator that acts for its customers in storing ferrous metals traded on the London Metal Exchange	$ [redacted]	7/7	100.0 %	GS Power Holdings LLC

(1) GS Carrying Value is shown for private equity investments and GS Equity at Risk is shown for consolidated investment entities. GS Equity at Risk is total assets less liabilities.
(2) Eti interest was sold effective May 9, 2013
(3) Cedar Bay interest was sold effective August 7, 2013

▬ = Redacted by the Permanent Subcommittee on Investigations

The Goldman Sachs Group, Inc.
As of 3/31/2013

Commodity, Energy, E&P, Renewable Energy Equity Investments*

The investments listed below include all equity investments where (a) the firm's investment is 20% or more of the company or (b) have a cost basis or current value of at least $200m, in entities the primary business of which is that of a producer or processor of, owner/operator of logistical facilities (including storage and transportation) for, or provider of logistical service in relation to, physical commodities. This does not include debt / loan investments.

3/31/2013 Region	Portfolio / Company Name	Date of Investment	Domicile	Commodity / Sector	Description	GS Q1'13 Carrying Value / GS Equity at Risk(1) (mm)	GS Board Seats / Total Board	% Holding as of Q1'13	GS Legal Entity Holdings Investment
GSSG:									
Upstream Oil & Gas									
AmSSG	Fairway Resources Partners II, LLC	Dec '10	US	Exploration & Production	Oil & gas company focused on acquiring and developing on-shore oil & natural gas assets (including mineral rights) in the United States.	[redacted]	3 of 5	97%	Fairway Resources Partners II, LLC
AmSSG	Opal Resources, LLC	Jul '07	US	Exploration & Production	Oill & gas company focused on acquiring and developing on-shore oil & natural gas assets (including mineral rights) in the United States.	[redacted]	2 of 5	95%	Opal Resources LLC
AmSSG	Fairway Resources Partners, LP	Feb '06	US	Exploration & Production	Oil & gas company focused on acquiring and developing on-shore oil & natural gas assets (including mineral rights) in the United States.	[redacted]	2 of 5	96%	Fairway Resources Partners, LP
AmSSG	Brasoil do Brasil Exploracao Petrolifera S.A.	Mar '06 (inherited from GSPS in March 2009)	Brazil	Exploration & Production	Oil & gas company focused on acquiring and developing onshore and offshore natural gas and crude oil assets in Brazil.	[redacted]	1 of 5	23%	Goldman Sachs &Co.
ASSG	Sea Rover Exploration LLC	Dec '09	Indonesia	Exploration & Production	Option to acquire 10% of a potential oil & gas discovery in Indonesia.	[redacted]	None	39%	Best Investments (Delaware) L.L.C.
ASSG	Bali Oil and Gas LLC	Dec '09	Indonesia	Exploration & Production	Revenue stream from oil & gas data library.	[redacted]	None	39%	Best Investments (Delaware) L.L.C.
Power									
AmSSG	Raft River Energy LLC	Aug '06	US	Geothermal	Investment in a geothermal plant.	[redacted]	None	66%	Raft River Energy I LLC
AmSSG	Three Wind Holdings LLC	Aug '04	US	Wind	Investment in Threewind wind farm with operator and co-investor Shell Wind Energy.	[redacted]	None	50%	GS Wind Power II, LLC
AmSSG	Condon Wind Power LLC	Sept '03	US	Wind	Investment in Condon Seawest wind farm with operator and co-investor AES.	[redacted]	None	70%	GS Wind Power I, LLC
AmSSG	SunE Solar Fund I, LLC	June '05	US	Solar	Investment in 19 rooftop solar installations in NJ, CA, CT; managed by SunEdison.	[redacted]	None	99%	GS Solar Power I, LLC

▬ = Redacted by the Permanent Subcommittee on Investigations

The Goldman Sachs Group, Inc.
As of 3/31/2013

Commodity, Energy, E&P, Renewable Energy Equity Investments*

The investments listed below include all equity investments where (a) the firm's investment is 20% or more of the company or (b) have a cost basis or current value of at least $200m, in entities the primary business of which is that of a producer or processor of, owner/operator of logistical facilities (including storage and transportation) for, or provider of logistical service in relation to, physical commodities. This does not include debt / loan investments.

3/31/2013 Region	Portfolio / Company Name	Date of Investment	Domicile	Commodity / Sector	Description	GS Q1'13 Carrying Value / GS Equity at Risk(1) (mm)	GS Board Seats / Total Board	% Holding as of Q1'13	GS Legal Entity Holdings Investment
AmSSG	CleanLight Power + Energy LLC	Apr '11	US	Solar	Solar PV array located in Mount Laurel, New Jersey. The project is a ground-mounted array totaling 2.94MW.	[redacted]	None	100%	Cleanlight Energy, LLC
AmSSG	GS RC Investments, LLC	Jun '10	US	Clean Coal	Entity that leases refined coal facilities from a developer specializing in refined coal technologies. The facilities use the developer's proprietary technology to treat raw coal which causes significant reductions in nitrogen oxide and mercury emissions when the refined coal is burned in the production of steam.	[redacted]	None	100%	GSFS Investments I Corp
AmSSG	GSRC Coffeen, LLC	Jun '10	US	Clean Coal	Entity that leases refined coal facilities from a developer specializing in refined coal technologies. The facilities use the developer's proprietary technology to treat raw coal which causes significant reductions in nitrogen oxide and mercury emissions when the refined coal is burned in the production of steam.	[redacted]	None	100%	GSFS Investments I Corp
AmSSG	GS Solar I, LLC	Jan '13	US	Solar	Acquires, owns and leases residential solar systems.	[redacted]	None	100%	GS Solar I, LLC
Transportation / Storage									
ASSG/GCPI	GK Yamamoto Kaiun Holdings	Sept '08	Japan	Transportation	Equity investment in a Japanese shipping company.	[redacted]	None	85%	GK Yamamoto Kaiun Holdings
AmSSG	US Development Group LLC	Feb '07	US	Transportation	Engaged in design, finance, construction and operation of a portfolio of rail terminal facilities and related infrastructure (ethanol and crude storage and transport).	[redacted]	1 of 5; 1 observer seat	33%	GSFS Investments I Corp
Other									
ASSG	Shuanghui International Holdings, Ltd.	May '06	China	Food	Holding company for pork meat processing company in China	[redacted]	1 of 5	5%	Goldman Sachs Strategic Investments (Asia) L.L.C.

(1) GS Carrying Value is shown for private equity investmetns and GS Equity at Risk is shown for consolidated investment entities. GS Equity at Risk is total assets less liabilities.

CLEARY GOTTLIEB STEEN & HAMILTON LLP

ONE LIBERTY PLAZA
NEW YORK, NY 10006-1470
(212) 225-2000
FACSIMILE (212) 225-3999
WWW.CLEARYGOTTLIEB.COM

WASHINGTON, DC • PARIS • BRUSSELS
LONDON • MOSCOW • FRANKFURT • COLOGNE
ROME • MILAN • HONG KONG • BEIJING

Writer's Direct Dial: (212) 225-2390
E-Mail: rtortoriello@cgsh.com

MARK A. WALKER
LESLIE B. SAMUELS
EDWARD F. GREENE
ALLAN G. SPERLING
EVAN A. DAVIS
LAURENT ALPERT
VICTOR I. LEWKOW
LESLIE N. SILVERMAN
ROBERT L. TORTORIELLO
A. RICHARD SUSKO
LEE C. BUCHHEIT
JAMES M. PEASLEE
ALAN L. BELLER
THOMAS J. MOLONEY
WILLIAM F. GORIN
MICHAEL L. RYAN
ROBERT P. DAVIS
YARON Z. REICH
RICHARD S. LINCER
JAIME A. EL KOURY
STEVEN G. HOROWITZ
ANDREA G. PODOLSKY
JAMES A. DUNCAN
STEVEN M. LOEB
DANIEL S. STERNBERG
DONALD A. STERN
CRAIG B. BROD
SHELDON H. ALSTER
WANDA J. OLSON
MITCHELL A. LOWENTHAL
DEBORAH M. BUELL
EDWARD J. ROSEN
LAWRENCE B. FRIEDMAN
NICOLAS GRABAR
CHRISTOPHER E. AUSTIN
SETH GROSSHANDLER
WILLIAM A. GROLL
JANET L. FISHER
DAVID L. SUGERMAN
HOWARD S. ZELBO
DAVID E. BRODSKY
ARTHUR H. KOHN
RAYMOND B. CHECK
RICHARD J. COOPER
JEFFREY S. LEWIS
PAUL J. SHIM
STEVEN L. WILNER
ERIKA W. NIJENHUIS
LINDSEE P. GRANFIELD
ANDRES DE LA CRUZ
DAVID C. LOPEZ
CARMEN A. CORRALES
JAMES L. BROMLEY
PAUL E. GLOTZER
MICHAEL A. GERSTENZANG
LEWIS J. LIMAN
LEV L. DASSIN
NEIL Q. WHORISKEY
JORGE U. JUANTORENA
MICHAEL D. WEINBERGER
DAVID LEINWAND
JEFFREY A. ROSENTHAL
ETHAN A. KLINGSBERG
MICHAEL J. VOLKOVITSCH
MICHAEL D. DAYAN
CARMINE D. BOCCUZZI, JR.
JEFFREY D. KARPF
KIMBERLY BROWN BLACKLOW
ROBERT J. RAYMOND
LEONARD C. JACOBY
SANDRA L. FLOW
FRANCESCA L. ODELL
WILLIAM L. MCRAE
JASON FACTOR
MARGARET S. PEPONIS
LISA M. SCHWEITZER
KRISTOFER W. HESS
JUAN G. GIRALDEZ
DUANE MCLAUGHLIN
BREON S. PEACE
MEREDITH E. KOTLER
CHANTAL E. KORDULA
BENET J. O'REILLY
DAVID AMAN
ADAM E. FLEISHER
SEAN A. O'NEAL
GLENN P. MCGRORY
CHRISTOPHER P. MOORE
JOON H. KIM
MATTHEW P. SALERNO
MICHAEL J. ALBANO
VICTOR L. HOU
RESIDENT PARTNERS

SANDRA M. ROCKS
ELLEN M. CREEDE
S. DOUGLAS BORISKY
JUDITH KASSEL
DAVID E. WEBB
PENELOPE L. CHRISTOPHOROU
BOAZ S. MORAG
MARY E. ALCOCK
GABRIEL J. MESA
DAVID H. HERRINGTON
HEIDE H. ILGENFRITZ
KATHLEEN M. EMBERGER
NANCY I. RUSKIN
WALLACE L. LARSON, JR.
JAMES D. SMALL
AVRAM E. LUFT
ELIZABETH LENAS
DANIEL ILAN
RESIDENT COUNSEL

May 4, 2010

BANKING SUPERVISION AND
REGULATION DEPARTMENT
MAY 05 2010
FEDERAL RESERVE BANK
OF RICHMOND

BY E-MAIL AND FED EX

Federal Reserve Bank of Richmond
FRBR Warehouse
2050 Magnolia Street
Richmond, VA 23223

Attention: Mr. Adam M. Drimer
Assistant Vice President – Banking Applications Function

Re: Section 4(k)(l)(B) Notification by Bank of America Corporation of Its Intention to Continue to Engage in Certain Physically-Settled Commodity Trading Activities and Related Activities, Engage in Energy Tolling Activities and Continue to Provide Certain Asset and Energy Management Services, through Certain Affiliates

Ladies and Gentlemen:

On behalf of Bank of America Corporation ("Bank of America"), we enclose for filing with the Federal Reserve Bank of Richmond (the "FRBR") one original and ten copies of a notification (the "Notification") to the Board of Governors of the Federal Reserve System (the "Board"), pursuant to Section 4(k)(1)(B) of the Bank Holding Company Act of 1956, as amended, and Section 225.89 of the Board's Regulation Y, of Bank of America's intention to continue to engage in certain physically-settled commodity trading activities and related activities ("Physical Commodity Trading Activities"), to engage in energy tolling activities ("Energy Tolling Activities"), to continue to provide asset and energy management services (respectively, "Asset Management Services" and "Energy Management Services", and together with Physical Commodity Trading Activities and Energy Tolling Activities, the "Proposed Activities") through certain affiliates.

The Notification is being filed in response to Bank of America's acquisition of Merrill Lynch (the "ML Acquisition") completed on January 1, 2009 and the integration of the commodity-related activities of Bank of America and Merrill Lynch into a single consolidated business unit (the "BAC/ML Commodities Business").

The BAC/ML Commodities Business currently conducts (or, in the case of the Energy Tolling Activities, intends to conduct) the Proposed Activities. Thus, the Notification sets out a request for the Board to grant Bank of America the ability to conduct the Proposed Activities, and enable Bank of America to continue to engage in (or, in the case of the Energy Tolling Activities, commence) such Activities.

* * *

The enclosed Notification includes a separately bound Confidential Supplement. Bank of America respectfully requests confidential treatment for the Confidential Supplement and the Confidential Exhibits (the "Confidential Information") pursuant to the Freedom of Information Act, and the regulations promulgated by the Board thereunder. The Confidential Information includes confidential commercial information which is not available to the public from any other source. Disclosure of this information to the public, including competitors of Bank of America and the BAC/ML Commodities Business, could provide such competitors and others with information about the operations and strategies of Bank of America and the BAC/ML Commodities Business that could be harmful to their respective competitive positions.

We further request that if, notwithstanding the foregoing, the Board or the FRBR should determine preliminarily to make available to the public any portion of the Confidential Information, it will inform us before doing so.

* * *

Please contact the undersigned (tel. no. 212-225-2390), if you have any questions or if we can be of assistance in any way in connection with the Notification.

Very truly yours,

Robert L. Tortoriello

cc: Patricia A. Robinson
Christopher M. Paridon
Board of Governors of the Federal Reserve System

A. Linwood Gill III
Brad Evans
Lisa A. White
Federal Reserve Bank of Richmond

Gregory Baer
Patrick Antrim
Phillip Wertz
Margaret Grieve
Dennis Albrecht
Mark Elliott
Kelly Funderburk
Bank of America / Merrill Lynch

Thomas Coenen
Cleary Gottlieb Steen & Hamilton LLP

1977

NOTIFICATION

to the

BOARD OF GOVERNORS OF THE FEDERAL RESERVE SYSTEM

by

BANK OF AMERICA CORPORATION

of Its Intention to Continue to Engage in Certain Physically-Settled Commodity Trading Activities and Related Activities, Engage in Energy Tolling Activities and Continue to Provide Certain Asset and Energy Management Services, through Certain Affiliates

Pursuant to Section 4(k)(1)(B) of the Bank Holding
Company Act of 1956, as Amended, and Section 225.89
of the Federal Reserve Board's Regulation Y

May 4, 2010

NOTIFICATION
to the
BOARD OF GOVERNORS OF THE FEDERAL RESERVE SYSTEM
(the "Board")

Bank of America Corporation
Corporate Title of Notificant

100 North Tryon Street
Street

Charlotte	North Carolina	USA	28255
City	State	Country	Postal Code

hereby provides the Board with a notice pursuant to Section 4(k)(1)(B) of the Bank Holding Company Act of 1956, as amended (the "BHCA"), 12 U.S.C. § 1843(k)(1)(B), and Section 225.89 of the Board's Regulation Y ("Regulation Y"), 12 C.F.R § 225.89, for approval to engage in physical commodity trading activities through the affiliates of Merrill Lynch & Co., Inc. (except where the context requires otherwise, referred to collectively with its subsidiaries as "Merrill Lynch") identified in this Notification and certain other affiliates.

Name, title, address, telephone number and facsimile number of person(s) to whom inquiries concerning this Notification may be directed:

Margaret Grieve, Esq.
Associate General Counsel
Bank of America
One Bryant Park
New York, NY 10036
Tel: (646) 855-0814
Fax: (646) 855-5943
E-Mail: margaret.grieve@bankofamerica.com

Robert L. Tortoriello, Esq.
Cleary Gottlieb Steen & Hamilton LLP
One Liberty Plaza
New York, New York 10006
Tel.: (212) 225-2390
Fax: (212) 225-3999
E-Mail: rtortoriello@cgsh.com

Date of Notification: May 4, 2010

BANK OF AMERICA CORPORATION

By: Margaret M. Grieve
Name: Margaret M. Grieve
Title: Associate General Counsel

EXHIBITS

The following Exhibits are enclosed with this Notification:

Exhibit A	—	Commitments (the "Commitments")
Confidential Supplement (the "Confidential Supplement")	—	Provided as a Separate Submission

TABLE OF CONTENTS

Page

INTRODUCTORY STATEMENT 1

I. BACKGROUND 5

- A. Bank of America's Acquisition of Merrill Lynch 5
- B. Description of the Parties 6
  - 1. Bank of America 6
    - a. General 6
    - b. Description of Commodity Activities 6
  - 2. Merrill Lynch 7
    - a. Description of Commodity Activities 7
    - b. Entities Involved in Commodity Activities 8
      - i. Merrill Lynch Commodities, Inc 8
      - ii. Merrill Lynch Commodities (Europe) Limited 9
      - iii. Merrill Lynch Commodities Canada, ULC 10
      - iv. Merrill Lynch Singapore Commodities Pte. Ltd 10
      - v. Merrill Lynch Capital Services, Inc 11
      - vi. Merrill Lynch International 11
      - vii. Merrill Lynch International Bank Limited 11
      - viii. Solimar Shipping Limited 12
- C. Consolidation of Activities / Creation of the BAC/ML Commodities Business 12
- D. Proposed Activities 13
  - 1. Proposed Activities Permitted Under Existing Complementary Orders 13
    - a. Physical Commodity Trading Activities in Approved Commodities 13
      - i. Scope of Approved Commodities 14
      - ii. Long-Term Electricity Supply Contracts 15
      - iii. VPPs 16
    - b. Energy Management Agreements 17
    - c. Energy Tolling Activities 18
  - 2. Additional Proposed Activities 19

TABLE OF CONTENTS
(continued)

Page

        a. Physical Commodity Trading Activities in Certain Commodities Not Previously Approved for FHCs....................... 20
        b. Asset Management Agreements.. 20
        c. Sub-Chartering Activities Relating to the Transportation of Physical Commodities... 25
    3. Scope and Relative Size of the Proposed Activities................................ 27
    4. Anticipated Public Benefits of the Proposed Activities........................... 27
    5. Commitments... 28
  E. Risk Management and Internal Controls.. 28
    1. Risks Posed by the BAC/ML Commodities Business.............................. 28
    2. Control and Risk Management Infrastructure.. 31
        a. Control and Risk Management Procedures Specific to the BAC/ML Commodities Business... 32
        b. International Coordination.. 32
    3. New Product Approval/Review Process.. 32
  F. Financial and Managerial Resources Available to Support the Conduct of the Proposed Activities... 33
    1. Financial Resources.. 33
    2. Human Resources.. 33
II. REQUEST FOR AUTHORIZATION TO CONDUCT THE PROPOSED ACTIVITIES.. 34
III. ANALYSIS OF FACTORS TO BE CONSIDERED UNDER 12 C.F.R § 225.89......... 35
  A. The Proposed Activities are "Complementary" to a Financial Activity............. 35
  B. The Proposed Activities Will Not Pose a Substantial Risk to the Safety and Soundness of Bank of America, its Subsidiary Depository Institutions or the Financial System Generally... 35
  C. Approval of this Notification Will Produce Net Public Benefits......................... 36
IV. SPECIFIC INFORMATION REQUIREMENTS UNDER 12 C.F.R. § 225.89............. 38

INTRODUCTORY STATEMENT

Bank of America Corporation (in its individual capacity, "BAC", and except where the context requires otherwise, referred to collectively with its subsidiaries as "Bank of America") hereby provides notice to the Board, pursuant to Section 4(k)(1)(B) of the BHCA and Section 225.89 of Regulation Y, of its intention to engage through certain affiliates in the following activities (the "Proposed Activities"), subject to all of the Commitments set out in Exhibit A:

(A) Commodity-related activities ("Commodity Activities") that have previously been approved by the Board for financial holding companies ("FHCs") as activities that are "complementary" to financial activities permissible under Regulation Y ("Complementary Activities"), [1] including (i) engaging in derivative,[2] trading, dealing, interpositioning, intermediation, investment and other transactions which at times involve acquiring, making or taking delivery of, holding or retaining title to, or arranging for the storage or transportation of, physical commodities as part of, or incidental or related to, Bank of America's investment or commercial banking or other related businesses or financial activities ("Physical Commodity Trading Activities"),[3] in relation to certain commodities (collectively, "Approved Commodities") for which derivative contracts have been authorized for trading on U.S. futures exchanges by the Commodity Futures Trading Commission ("CFTC")[4] or which have been specifically authorized by the Board (collectively, the "General Authorization");[5] (ii) providing certain energy management services, including certain power marketing, fuel supply, and risk management services ("Energy Management Services"), to owners of power generation facilities under energy management agreements ("Energy Management Agreements");[6] and (iii) conducting certain energy tolling activities ("Energy Tolling Activities");[7] and

---

[1] See, e.g., Board Letters dated July 2, 2009 (Barclays PLC) (the "Barclays 2009 Letter"), April 10, 2008 (Wells Fargo & Company), August 31, 2007 (BNP Paribas), April 24, 2007 (Bank of America) (the "BAC Order"), March 27, 2007 (Credit Suisse Group), September 29, 2006 (Fortis S.A./N.V.), and April 13, 2006 (Wachovia Corporation); Royal Bank of Scotland Group plc, 94 Fed. Res. Bull. C60 (2008) (the "RBS Order"); Fortis S.A./N.V., 94 Fed. Res. Bull. C20 (2008) (the "Fortis 2008 Order"); Société Générale, 91 Fed. Res. Bull. C113 (2006); JPMorgan Chase & Co., 92 Fed. Res. Bull. C57 (2006) (the "JPMorgan Chase Order"); Deutsche Bank AG, 92 Fed. Res. Bull. C54 (2006) (the "Deutsche Bank Order"); Barclays PLC, 90 Fed. Res. Bull. 511 (2004); UBS AG, 90 Fed. Res. Bull. 215 (2004); Citigroup Inc., 89 Fed. Res. Bull. 508 (2003) (the "Citigroup Order", and collectively with the other Letters and Orders set out in this note 1, the "Physical Commodity Trading Approvals").

[2] Such derivative transactions would include options, futures, options on futures, swaps, swaptions, forwards, options on forwards, and similar contracts based on commodities (collectively, "Commodity Derivatives").

---

[3] In addition to the purchase and sale of physical commodities, as discussed more fully in Part I.D below, Physical Commodity Trading Activities include entering into (i) certain long-term electricity supply contracts ("Long-Term Electricity Supply Contracts") with large commercial, industrial and municipal/other governmental end-users (see, e.g., Barclays 2009 Letter, RBS Order (collectively, the "Electricity Supply Contract Approvals")), and (ii) volumetric production payment transactions ("VPPs") and other commodity-related financing transactions (see, e.g., RBS Order, Board General Counsel Letter, dated May 15, 2006 (UBS AG) (collectively, the "VPP Approvals")).

[4] The current list of such contracts can be found at: http://services.cftc.gov/sirt/sirt.aspx?Topic=TradingOrganizationProducts.

[5] For example, as set out in the RBS Order, the Board has specifically authorized FHCs (such as Bank of America) that have received approval to engage in Physical Commodity Trading Activities in Approved Commodities to physically trade in nickel.

(B) Certain other activities relating to permitted Physical Commodity Trading Activities, including (i) engaging in Physical Commodity Trading Activities in relation to certain commodities that have not previously been approved for FHCs, (ii) providing certain asset management services ("Asset Management Services") to natural gas market participants under asset management agreements ("Asset Management Agreements"), and (iii) conducting certain sub-chartering activities relating to the transportation of physical commodities ("Sub-Chartering Activities"), in each case as further described in Part I.D below.

As indicated in Part I.B.1.b below, Bank of America has previously received Board approval to conduct Physical Commodity Trading Activities, through Bank of America Commodities, Inc. ("BACI"), as "complementary" to financial activities permissible under Regulation Y,[8] subject to certain commitments and restrictions.

---

[6] See, e.g., Barclays 2009 Letter, RBS Order, Fortis Order (collectively, the "Energy Management Approvals").

[7] See, e.g., Barclays 2009 Letter, Board Letter dated May 21, 2008 (Fortis S.A./N.V.), RBS Order (collectively, the "Energy Tolling Approvals").

[8] In relation to Bank of America's Commodity Activities, such financial activities ("Financial Commodity Activities" or "financial transactions") include (i) entering into cash-settled Commodity Derivative transactions (or Commodity Derivative transactions settled by the receipt and instantaneous transfer of title to the underlying asset ("title-transfer transactions")) based on non-financial commodities; (ii) providing information,

(continued)

This Notification is being filed in response to Bank of America's acquisition of Merrill Lynch (the "ML Acquisition") and the integration of the Commodity Activities of Bank of America and Merrill Lynch into a single consolidated business unit (the "BAC/ML Commodities Business"). This Notification relates to the conduct of the Proposed Activities (and other Complementary Activities) through Merrill Lynch affiliates identified in Part I.B.2.b below (the "ML Entities"), and such other affiliates as may be formed to conduct such Activities, in each case subject to all of the Commitments and to all other restrictions and requirements applicable to the conduct of such Activities.

(continued)

statistical forecasting and advice with respect to transactions in commodities and Commodity Derivatives; and (iii) otherwise engaging in advisory, derivative, trading, dealing, interpositioning, intermediation, investment and other transactions based on financial or non-financial commodities permissible under Sections 225.28(b)(6), (7) and (8) of Regulation Y.

I. BACKGROUND

A. Bank of America's Acquisition of Merrill Lynch

Following receipt of Board[9] and other regulatory approvals, Bank of America completed the ML Acquisition on January 1, 2009. As of the closing date, the ML Acquisition increased Bank of America's total assets by $650 billion. By completing the ML Acquisition, Bank of America enhanced its brokerage, wealth management, global markets, investment banking and international capabilities. The consolidated Bank of America/Merrill Lynch is a leading global trader and underwriter of securities (and commodity and other derivatives) across a broad range of asset classes, and serves as a strategic advisor to corporations, governments, institutions and individuals worldwide.

Under Board regulations, an FHC may control or acquire more than 5% of the voting shares of a company that is "substantially engaged" in financial and incidental activities, provided that the FHC either (i) complies with the relevant approval requirements that govern the other activities, or (ii) commits to divest impermissible activities within 2 years of the acquisition (the "Grandfathering Period").[10] In advance of the closing of the ML Acquisition, Bank of America certified that Merrill Lynch was substantially engaged in activities that are financial in nature, incidental to a financial activity, or otherwise permissible for an FHC under Section 4(c) of the BHCA, and, as reflected in the Bank of America-ML Order, committed that, within two years of the ML Acquisition, it would conform, terminate or divest all activities and investments of Merrill Lynch that are not permissible for an FHC under Section 4(c) of the BHCA.

---

[9] Bank of America, 95 Fed. Res. Bull. B-13 (2009) (the "Bank of America-ML Order").

[10] 12 C.F.R. § 225.85(a)(3).

B. Description of the Parties

1. Bank of America

a. General

Bank of America is a bank holding company registered under the BHCA and an FHC under the Gramm-Leach-Bliley Act. As one of the world's largest financial institutions and the largest depository organization in the United States, Bank of America serves individual consumers, small and middle market businesses and large corporations with a full range of banking, investing, asset management and other financial and risk-management products and services. At December 31, 2009, Bank of America's total assets were approximately $2.2 trillion, its total deposits were approximately $1 trillion and its total shareholders' equity was approximately $230 billion.

b. Description of Commodity Activities

Prior to the ML Acquisition, Bank of America's legacy commodities business unit ("BAC Commodities") engaged in a variety of Commodity Activities in the United States primarily through Bank of America, N.A. ("BANA"), a national bank supervised by the Office of the Comptroller of the Currency ("OCC"); these activities consisted of a wide range of customer-driven Financial Commodity Activities, including those involving commodity-related forwards, options, swaps and other Commodity Derivatives.[11]

---

[11] Illustrative of the scope of BANA's previous Commodity Activities are the authorizations which the OCC issued to BANA with regard to Commodity Derivatives (collectively, the "BANA OCC Authorizations"), including OCC Interpretive Letter (continued)

In addition, on April 24, 2007, the Board issued the BAC Order authorizing Bank of America to engage on a limited basis in certain Physical Commodity Trading Activities in Approved Commodities through BACI, an indirect wholly-owned subsidiary. Following receipt of the BAC Order, BAC Commodities began to engage in certain Physical Commodity Trading Activities in the oil, power and gas markets through BACI.

2. Merrill Lynch

Merrill Lynch and its subsidiaries engage in a wide range of business activities worldwide, including wealth management, and capital markets and advisory services.

a. Description of Commodity Activities

Prior to the ML Acquisition, Merrill Lynch had developed a large and successful global commodities business ("ML Commodities") engaged in a wide range of Commodity Activities. Merrill Lynch began the principal portion of its Commodity Activities in connection with its acquisition of Entergy Koch Trading ("EKT") in 2004. EKT had been a commodity business owned by Entergy Koch, LP (a joint venture owned by Entergy Corporation and Koch Energy, a subsidiary of Koch Industries ("Koch")) that was engaged in a number of Commodity

---

(continued)

No. 1073 (October 19, 2006) (portfolio hedging of customer-driven, cash-settled derivative transactions on aluminum, nickel, lead, zinc and tin); OCC Interpretive Letter No. 1059 (April 13, 2006) (customer-driven, cash-settled derivative transactions on polypropylene, injection molding, old corrugated cardboard and the Dow Jones AIG Commodity Index); OCC Interpretive Letter No. 962 (April 21, 2003) (title-transfer transactions); and OCC Interpretive Letter No. 937 (June 27, 2002) (customer-driven cash-settled electricity derivative transactions and customer-driven electricity title-transfer transactions). Additionally, Bank of America Securities Limited (London) entered into a number of Commodity Derivative transactions outside of the United States similar to those entered into by BANA.

Activities, including the physical and financial trading of U.S. and European natural gas and power, financial transactions involving weather derivatives, and the provision of certain Energy and Asset Management Services to customers in the natural gas and power markets. EKT was formed in 2001 by the combination of Koch Energy's physical and financial natural gas and power trading business and Entergy Corporation's physical power marketing business.

Merrill Lynch transferred the acquired EKT businesses to ML Commodities, a unit within its Global Markets & Investment Banking line of business. Following completion of the EKT acquisition, ML Commodities expanded the scope of the Commodity Activities of the acquired EKT businesses to include capabilities in crude oil, refined products, coal, emissions allowances, base and precious metals, natural gas liquids, liquid natural gas, commodity indices and freight. ML Commodities also expanded regionally with the addition of personnel and operations headquartered in Singapore focused on the Asia Pacific region.

b. Entities Involved in Commodity Activities

ML Commodities conducted (and the BAC/ML Commodities Business currently conducts) its Commodity Activities through the ML Entities identified below.

Reference is made to the Confidential Supplement for further information regarding the ML Entities.

i. Merrill Lynch Commodities, Inc.

Merrill Lynch Commodities, Inc. ("MLCI") is the principal entity through which the BAC/ML Commodities Business conducts its Commodity Activities in the Americas. MLCI is engaged in a wide range of Commodity Activities with its clients, including physical and financial transactions involving crude oil and refined products, natural gas (including liquid natural gas), power, coal, natural gas liquids and emissions allowances, and financial transactions involving weather derivatives and commodity indices (including agricultural indices). MLCI maintains a global book for the BAC/ML Commodities Business (a "Global Risk Book") in relation to financial risks relating to physical and financial transactions in crude oil and refined products. Additionally, MLCI serves on occasion as an intermediary in transactions involving metals, whereby MLCI acts as the client-facing entity in respect of such transactions, and the ML Entity that manages the relevant Global Risk Book assumes the market risk of such transactions through a financial hedge provided to MLCI. MLCI also provides Energy Management Services and Asset Management Services to customers in the gas and power sectors, structures certain commodity-linked structured notes (including hedging the commodity price exposures related to such notes) issued to customers by certain Bank of America and third party entities ("Commodity-Linked Notes"), and anticipates engaging in Energy Tolling Activities in the near future.

ii. Merrill Lynch Commodities (Europe) Limited

Merrill Lynch Commodities (Europe) Limited (together with its subsidiaries, "MLCE") is headquartered in the United Kingdom and is the principal entity through which the BAC/ML Commodities Business conducts its Commodity Activities in Europe, the Middle East and Africa ("EMEA").[12] MLCE is engaged in a wide range of Commodity Activities with its clients, including physical and financial transactions involving natural gas, power, coal and emissions allowances, and financial transactions involving commodity indices and weather contracts. MLCE also maintains a Global Risk Book in relation to financial transactions involving freight contracts. Additionally, MLCE serves from time to time as an intermediary in transactions involving crude oil, refined products and metals, whereby MLCE acts as the client-facing entity, and the ML Entity that manages the relevant Global Risk Book assumes the market risk of the transaction through a financial hedge provided to MLCE. MLCE also provides Energy Management Services and Asset Management Services to customers in the gas and power sectors, structures Commodity-Linked Notes and anticipates engaging in Energy Tolling Activities in the near future.

---

[12] MLCE has two subsidiaries, Merrill Lynch Commodities Ltd. Belgrade (Serbia), and Merrill Lynch Commodities S.r.l. (Romania), that currently are not being used.

iii. Merrill Lynch Commodities Canada, ULC

Merrill Lynch Commodities Canada, ULC ("MLCC") is the principal entity through which the BAC/ML Commodities Business conducts its business in Canada. MLCC is engaged in Commodity Activities including physical and financial transactions with customers involving natural gas and oil.

iv. Merrill Lynch Singapore Commodities Pte. Ltd.

Merrill Lynch Singapore Commodities Pte. Ltd. ("MLSC") was originally established in 2005 in connection with the expansion of the operations of ML Commodities to the Asia Pacific region. MLSC engages in marketing and origination activities relating to Commodity Derivatives, including physical and financial transactions with customers involving a wide range of commodities (in the case of physical transactions, notably crude oil, refined products and coal) and either arranges and/or executes such transactions on the books of the relevant ML Entity (i.e., MLCI, MLCE or the ML Entity that manages the relevant Global Risk Book) or refers such transactions to such ML Entity. In addition, MLSC executes and books physical coal transactions.

v. Merrill Lynch Capital Services, Inc.

Merrill Lynch Capital Services, Inc. ("MLCS"), a parent company of MLCI, primarily acts as a counterparty in relation to certain derivative products (including Commodity Derivatives). MLCS engages in, and maintains a Global Risk Book in relation to, physical and financial transactions involving precious metals.

vi. Merrill Lynch International

Merrill Lynch International ("MLI") is a U.K.-based broker-dealer, and is Merrill Lynch's primary non-U.S. dealer in derivative products. MLI engages in Commodity Activities with its clients, including physical and financial transactions involving base metals and emissions allowances, and financial transactions involving a number of other commodities whereby MLI acts as the client-facing entity, and the ML Entity that manages the relevant Global Risk Book assumes the market risk of the transaction through a financial hedge provided to MLI. MLI maintains a Global Risk Book in relation to physical and financial transactions involving base metals.

vii. Merrill Lynch International Bank Limited

Merrill Lynch International Bank Limited ("MLIB"), a Republic of Ireland-based bank authorized and regulated by the Irish Financial Services Regulatory Authority and by local regulators in certain other jurisdictions with respect to its branch offices and subsidiaries, is the primary non-U.S. ML Entity engaged in banking. MLIB acts as a principal for customer-driven debt derivative and foreign exchange transactions and engages in deposit-taking, advisory, lending, loan trading and institutional sales activity. MLIB also provides collateralized lending, letters of credit, guarantees and foreign exchange services to its clients. In addition, MLIB engages in physical and financial transactions with customers involving precious metals, and financial transactions with customers involving a number of other commodities, in each case whereby MLIB acts as the client-facing entity, and the ML Entity that manages the relevant Global Risk Book assumes the market risk of the transaction through a financial hedge provided to MLIB.

viii. Solimar Shipping Limited

Solimar Shipping Limited ("Solimar") is a subsidiary of MLCI that conducts the BAC/ML Commodities Business's activities relating to the transportation of physical commodities on chartered vessels, including the Sub-Chartering Activities.

C. Consolidation of Activities / Creation of the BAC/ML Commodities Business

Upon completion of the ML Acquisition, Merrill Lynch and its affiliates became wholly-owned subsidiaries of Bank of America, and Bank of America began the process of integrating the Commodity Activities of BAC Commodities and ML Commodities into a single, consolidated BAC/ML Commodities Business (the "Commodities Integration Process"). The BAC/ML Commodities Business was the first line of business to complete its firm-wide integration following completion of the ML Acquisition.

Prior to the ML Acquisition, ML Commodities had a much more significant presence in the conduct of Commodity Activities than that of Bank of America. In 2008, Merrill Lynch was one of the top three financial participants in North American physical natural gas markets, trading and marketing an average of more than 2.3 Billion cubic feet ("Bcf") per day of physical natural gas according to Platts Gas Daily, and one of the top five financial participants in North American physical power markets, trading and marketing an average of more than 280,000 MegaWatt hours ("MWh") per day of physical electricity according to Platts Megawatt Daily. At the time of the ML Acquisition, ML Commodities was roughly ten times the size of

BAC Commodities, based on headcount and profit and loss ("P&L") measures. Because of the size and scope of Merrill Lynch's Commodity Activities relative to those of Bank of America, Bank of America decided to consolidate its global Commodity Activities within the ML Entities and the existing management organization of ML Commodities.

Accordingly, today the BAC/ML Commodities Business conducts on a global basis all of the Complementary Activities in Covered Commodities previously approved for Bank of America and engages (or anticipates engaging) in a wide range of physical and financial commodities transactions with customers, including those involving base and precious metals, crude oil and petroleum products, natural gas (including liquid natural gas), power, coal, natural gas liquids, weather, emissions and commodities indices, and is an active participant in energy and commodity-related contract markets.

Reference is made to the Confidential Supplement for additional information concerning the activities of the BAC/ML Commodities Business and the Commodities Integration Process.

D. Proposed Activities

1. Proposed Activities Permitted Under Existing Complementary Orders

The BAC/ML Commodities Business engages (or anticipates engaging) in the following Complementary Activities that have already been approved for FHCs.

a. Physical Commodity Trading Activities in Approved Commodities

As indicated in Part I.B.1.b above, Bank of America received Board authorization under the BAC Order to engage to a limited extent (and as otherwise permitted to FHCs) through BACI in Physical Commodity Trading Activities in Approved Commodities. The BAC/ML

Commodities Business currently engages in Physical Commodity Trading Activities in a number of Approved Commodities through the ML Entities. Because Bank of America's authority under the BAC Order to engage in Physical Commodity Trading Activities limits the conduct of such Activities to a single entity (BACI), Bank of America hereby seeks Board approval to engage in such Activities through the ML Entities, and such other affiliates as may be formed to conduct such Activities.

i. Scope of Approved Commodities

This Notification relates to Physical Commodity Trading Activities in the following commodities which have already been approved for Bank of America or other FHCs (in addition to those other commodities discussed in Part I.D.2.a below):

- Approved Commodities,[13] including the following:
    - Crude oil.
    - Certain petroleum products (i.e., gasoil, gasoline, heating oil, jet fuel).
    - Natural gas (including liquid natural gas).
    - Certain natural gas liquids (i.e., propane).
    - Power.

---

[13] For this purpose, all types of an Approved Commodity should be considered covered by the General Authorization. For example, as the Board set out in the Citigroup Order, 89 Fed. Res. Bull. at 510, n.14: "With respect to granularity, the Board intends . . . to permit [Physical] Commodity Trading Activities involving all types of a listed commodity. For example, [Physical] Commodity trading Activities involving any type of coal or coal derivative contract would be permitted, even though the CFTC list specifically approves only Central Appalachian coal". Accordingly, the Physical Commodity Trading Activities of the BAC/ML Commodities Business will involve both U.S. and non-U.S. commodities for which a derivative contract relating to the same type of such commodity is authorized for trading on U.S. futures exchanges by the CFTC.

  - Coal.
  - Certain base metals (i.e., aluminum, nickel,[14] zinc).
- Certain commodities that were specifically approved for other FHCs but appear at this time to be covered by the General Authorization (i.e., appear at this time to be Approved Commodities), including the following:
  - Certain petroleum products (i.e., diesel, kerosene, naphtha, residual fuel oil).[15]
  - Certain natural gas liquids (i.e., butane, isobutane, ethane, natural gasoline).[16]
  - Emissions allowances (including Renewable Energy Credits (RECs), Certified Emissions Reductions (CERs), Emission Reduction Units (ERUs), European Union Emissions Allowances (EUAs) and Voluntary Emissions Reductions (VERs)).[17]

ii. Long-Term Electricity Supply Contracts

In the Electricity Supply Contract Approvals, the Board determined that Long-Term Electricity Supply Contracts fall within the scope of Board-approved Physical Commodity Trading Activities.

---

[14] In the RBS Order, the Board has specifically authorized FHCs that have received approval to engage in Physical Commodity Trading Activities in Approved Commodities to physically trade in nickel.

[15] See, e.g., RBS Order.

[16] See, e.g., RBS Order.

[17] See, e.g., RBS Order, JPMorgan Chase Order, Deustche Bank Order.

The BAC/ML Commodities Business enters into individually negotiated Long-Term Electricity Supply Contracts to deliver electricity to and/or manage electricity supply for large commercial, industrial and municipal/other governmental end-user customers. Such customers are generally knowledgeable and sophisticated about their electricity consumption, and typically employ professional managers to enter into and manage such Contracts. Sales to these customers involve sophisticated wholesale-type products, such as block energy, load-following energy, capacity, transmission and ancillary service.

Reference is made to the Confidential Supplement for additional information concerning the Long-Term Electricity Supply Contracts of the BAC/ML Commodities Business.

iii. VPPs

VPPs are a means of financing oil and gas exploration and production. Under a VPP, the lender or VPP holder provides an up-front payment in exchange for a royalty interest that entitles the VPP holder to receive hydrocarbons on a regular basis during the life of the VPP transaction in quantities that will allow the VPP holder to recover its up-front payment and a specified return. In the VPP Approvals, the Board indicated that an FHC may engage in VPPs as extensions of credit permissible for an FHC under Section 225.28(b)(1) of Regulation Y, if the FHC agrees to sell the commodity it receives under the VPP to third parties before delivery.

For purposes of this Notification, Bank of America confirms that its VPP transactions will conform in all relevant respects to the description of permissible VPP transactions set forth in the VPP Approvals.

Furthermore, in the Commitments, Bank of America agrees that any commodities that Bank of America receives under a VPP and does not immediately sell to a third party will count against the aggregate volume limits described therein associated with Bank of America's Physical Commodity Trading and Energy Tolling Activities.

b. Energy Management Agreements

Under the Energy Management Approvals, the Board authorized certain FHCs to engage in Energy Management Services, subject to certain restrictions.

The BAC/ML Commodities Business currently acts as energy manager ("Energy Manager") providing Energy Management Services to owners of power generation facilities ("Asset Owners") under a number of Energy Management Agreements. These Energy Management Agreements are contractual arrangements between the Asset Owner and the Energy Manager for the provision by the Energy Manager of certain specifically defined Energy Management Services designed to facilitate the prompt and economic dispatch of the facility's output into the power markets.

The Federal Energy Regulatory Commission ("FERC") has acknowledged that Energy Management Agreements play an important and beneficial role to customers in the electricity marketplace.[18] In the BAC/ML Commodities Business's experience, Asset Owners usually engage an Energy Manager to provide its expertise, credit support and/or trading infrastructure to facilitate activities including, to the extent applicable, (i) the scheduling of power sales into the day-ahead and real-time power markets, (ii) fuel supply arrangements in the natural gas and other markets, and (iii) compliance with emissions certificate requirements. Energy Management Agreements do not provide the Energy Manager with ownership or control of the underlying power generation assets. Rather, the Asset Owner operates the facility using its own employees and takes on the operating risks in connection with such operations. Furthermore, the Asset Owner typically retains ultimate decision-making control over when its generation asset will operate and how its output will be marketed.[19]

---

[18] See Market-Based Rates for Wholesale Sales of Electric Energy, Capacity and Ancillary Services by Public Utilities, 71 Fed. Reg. 33102 (June 7, 2006) at ¶ 124.

Reference is made to the Confidential Supplement for additional information concerning the Energy Management Agreements of the BAC/ML Commodities Business.

c. Energy Tolling Activities

Under the Energy Tolling Approvals, the Board authorized certain FHCs to engage in Energy Tolling Activities, subject to certain restrictions.

The BAC/ML Commodities Business plans to engage in the near future in certain Energy Tolling Activities, whereby one party (the "Energy Toller") contracts for the right to call on the Asset Owner of a power generation facility for the firm delivery of generated power output in exchange for demand payments based on the market value of the generated power, and, in some cases, delivery of fuel (such as natural gas) and emissions certificates. In addition, the Energy Toller makes fixed capacity payments to the Asset Owner for the right to call on the facility to generate power. The Energy Toller typically receives a margin on the sale of such generated power to other customers or in the open market. In certain cases, such agreements can be structured as buy/sell arrangements of gas and power with the Energy Toller making net payments to the Asset Owner.

---

[19] Depending on the terms of each Energy Management Agreement, the Energy Manager may have some discretion over certain activities related to the managed assets, including over selling plant output in wholesale spot markets. However, such discretion is typically limited by the terms of the applicable Energy Management Agreement and the associated protocols, procedures and risk thresholds that the Asset Owner establishes for the services provided by the Energy Manager.

Energy Tolling Activities can play a beneficial role to Asset Owners of existing power generation facilities, and can also assist prospective Asset Owners in managing liquidity needs and collateralization requirements in connection with financing the acquisition or construction of new power generation facilities. Energy Tolling Activities do not provide the Energy Toller with ownership or control of the underlying power generation assets. Rather, the Asset Owner operates the facility using its own employees and takes on all operating risks. The principal difference in the United States between Energy Tolling Activities and Energy Management Agreements is that, in the former, the Energy Toller acts as principal for its own account, and in the latter, the Energy Manager either acts as agent of the Asset Owner, or acts as principal to the market for the benefit of the Asset Owner.

Reference is made to the Confidential Supplement for additional information regarding the Energy Tolling Activities of the BAC/ML Commodities Business.

2. Additional Proposed Activities

In addition to Commodity Activities that the Board has already approved for FHCs, the BAC/ML Commodities Business engages (or anticipates engaging) in certain other Proposed Activities that may not yet have been specifically approved as Complementary Activities for FHCs, but which are "complementary" to Bank of America's conduct of Financial Commodity Activities.

2001

a. Physical Commodity Trading Activities in Certain Commodities Not Previously Approved for FHCs

The Commodities Business engages (or anticipates engaging) in Physical Commodity Trading Activities in certain commodities -- specifically lead, tin and aluminium alloy (the "Additional Commodities") -- which have not previously been approved by the Board for FHCs, but for which a derivatives contract based on the commodity trades on a non-U.S. exchange that is subject to a regulatory structure comparable to the one administered by the CFTC (i.e., in the case of the Additional Commodities, the London Metal Exchange ("LME")). Such approval would be entirely consistent with the manner in which the Board, in the RBS Order, analyzed (and approved) Physical Commodity Trading Activities in nickel (which, like each of the Additional Commodities, has a derivatives contract traded on the LME).

Reference is made to the Confidential Supplement for additional information concerning the Physical Commodity Trading Activities of the BAC/ML Commodities Business in relation to the Additional Commodities.

b. Asset Management Agreements

Asset Management Agreements (which are also called "asset optimization agreements") are arrangements under which one party (the "Asset Manager") agrees to manage on a contractual basis the gas supply, delivery and/or storage arrangements of a natural gas market participant (the "AMA Counterparty"). The Asset Manager thus acts as a financial intermediary in a principal capacity in transactions between AMA Counterparties and third parties.

Under a typical Asset Management Agreement in the United States, the AMA Counterparty would release pipeline transportation and/or storage capacity that it holds to the

Asset Manager, along with associated natural gas inventory and natural gas purchase agreements it has with third parties. The Asset Manager would use the released capacity to supply natural gas back to the AMA Counterparty (so that the AMA Counterparty can fulfill its gas supply requirements), and when the assigned capacity is not needed to supply the AMA Counterparty, the Asset Manager would use the capacity to make releases or natural gas sales to third parties.[20] While Asset Management Agreements may be fashioned in a myriad of ways, in the United States there are several common components:

- First, the AMA Counterparty generally enters into a pre-arranged capacity release with an Asset Manager at an agreed-upon rate.
- Second, the AMA Counterparty makes payments to the Asset Manager for the gas supply service that the Manager performs. These payments may include the AMA Counterparty paying the Asset Manager: (i) reimbursement of the full cost of the released storage and transportation capacity, including any storage or pipeline capacity-related fees (on the theory that the Asset Manager will use the released capacity to transport the AMA Counterparty's gas supplies),[21] (ii) a management fee for transportation-related tasks (e.g., nominations, scheduling, storage injections, etc.) associated with the Asset

---

[20] In 2008, FERC provided regulations authorizing certain types of Asset Management Agreements. See Order No. 712, Promotion of a More Efficient Capacity Release Market, 123 FERC ¶ 61,286 (2008).

[21] Asset Management Agreements involve the use of pipeline and storage capacity assigned by the AMA Counterparty to the Asset Manager. However, just as in the case of already permitted Physical Commodity Trading Activities, such use does not involve any direct ownership, operation or investment in any pipeline or storage facilities.

Manager's obligation to provide gas supplies to the AMA Counterparty, and (iii) the Asset Manager's cost of purchasing gas supplies for the AMA Counterparty.

- Third, the Asset Manager generally shares with the AMA Counterparty the value it is able to obtain from any portion of the released capacity and the associated gas inventory and gas purchase and sales agreement that is not needed to supply the AMA Counterparty's gas needs. The Asset Manager obtains such value either by re-releasing the capacity or by using it to make bundled sales to third parties. The Asset Manager may share that value by: (i) paying a fixed "optimization" fee to the AMA Counterparty, (ii) sharing profits with the AMA Counterparty pursuant to an agreed-upon formula, or (iii) making its gas sales to the AMA Counterparty at a price below market levels.

In Europe, Asset Management Agreements are often known by the generic term of Energy Management Services Agreements (among other similar terms).[22] The services and activities provided under Asset Management Agreements in Europe are functionally similar to, but do not go beyond,[23] the services provided and activities undertaken under an Asset Management Agreement in the United States.

---

[22] Note that terms defined in this section (including "Asset Management Agreement", "Asset Manager" and "AMA Counterparty") and used for the purposes of describing such Agreements in Europe are not used as terms of art, but have the specific meanings ascribed to them in this section.

[23] Indeed, many European Energy Management Services Agreements are more like straightforward client-accommodating purchases and sales of commodities.

Under a typical Asset Management Agreement in Europe, the AMA Counterparty pays a fee to the Asset Manager for services designed to provide a route to market (through the Asset Manager's purchases and/or sales to third parties) for gas produced and delivered by the AMA Counterparty to the Asset Manager at a specified delivery point. The services provided by the Asset Manager in this context can include making and receiving gas nominations, working with the AMA Counterparty, gas field operator and terminal or storage operator to facilitate deliveries and acceptance of gas, potentially arranging for the delivery of gas to meet the AMA Counterparty's contractual supply obligations under gas supply agreements with third parties, and entering into financial and physical forward purchases and sales of gas and storage and transportation capacity. It is also possible for the Asset Manager to share with the AMA Counterparty profits from its onward sales and/or purchases of gas to/from third parties in the market.

AMA Counterparties enter into Asset Management Agreements primarily for the purpose of transferring storage and pipeline capacity and/or associated gas inventory and gas purchase and sales agreements to entities that they perceive have greater skill and expertise both in purchasing low cost gas supplies, and in maximizing the value of the released capacity and associated agreements when they are not needed to meet the AMA Counterparty's gas supply needs. Thus, a fundamental purpose of an Asset Management Agreement is for the Asset Manager to extract as much value from the released capacity and associated agreements as possible and to share that value with the AMA Counterparty, which has contracted with the Asset Manager precisely because of the Asset Manager's expertise in this area. Permitting the Asset Manager to perform this function reduces the AMA Counterparty's costs, which ultimately serves to reduce consumer costs.

Numerous banking and non-banking competitors are active participants as Asset Managers under Asset Management Agreements, including BG Energy Merchants, BNP Paribas Energy Trading, BP Energy Company, Deutsche Bank, J.P. Morgan Chase & Co., Louis Dreyfus and Sempra Energy Trading. Accordingly, if the BAC/ML Commodities Business were required to discontinue its activities in the market for Asset Management Agreements, it would be at a competitive disadvantage compared to FHC competitors (as well as with respect to the numerous non-FHC competitors which are active in these markets).

FERC has acknowledged that Asset Management Agreements play an important and beneficial role to customers in the natural gas marketplace in the United States.[24] In particular, Asset Management Agreements benefit local gas distribution companies (and ultimately their customers) by maximizing the utilization and value of their facilities, reducing the time and expense involved in managing gas supply and/or storage arrangements, and creating efficiencies in the natural gas market by facilitating a more load-responsive gas supply. Asset Management Agreements outside the United States serve a similar function.

Since all of the constituent components of Asset Management Agreements (e.g., fixed price gas supply, use of pipeline and storage capacity) are uniformly consistent with and part of the Physical Commodity Trading Activities authorized under the BAC Order, Bank of America submits that Asset Management Agreements are "complementary" to financial activities to the same extent that Physical Commodity Trading Activities are "complementary" to financial activities. Moreover, approving Asset Management Agreements as a Complementary

---

[24] See Promotion of a More Efficient Capacity Release Market, 72 Fed. Reg. 65915 (November 26, 2007) at ¶ 67-74.

Activity would enable FHCs to offer the same integrated services to their customers that are provided by a number of their non-FHC competitors.[25] FHCs would also acquire more information about and experience in natural gas markets in the course of engaging in Asset Management Agreements, thereby improving their understanding of and ability to manage risks relating to their Regulation Y-permissible Financial Commodity Activities.

In order to address any concerns that the Board may have with respect to Asset Management Agreements, Bank of America has proposed certain Commitments with respect to such Agreements, as set out in Exhibit A.

Reference is made to the Confidential Supplement for additional information concerning the Asset Management Agreements of the BAC/ML Commodities Business.

c. Sub-Chartering Activities Relating to the Transportation of Physical Commodities

In connection with its Physical Commodity Trading Activities (and consistent with the Physical Commodity Trading Activities authorized under the BAC Order), the BAC/ML Commodities Business enters into time charters, voyage charters and contracts of affreightment in the oil tanker and bulk carrier markets for the purpose of transporting physical commodities ("Chartering Activities"). In general, the Sub-Chartering Activities of the BAC/ML Commodities Business occur when it sub-charters a portion of such chartered vessel's capacity (including period of hire) to a third party under a time charter or a voyage charter.

---

[25] As noted above, to the best of BAC's knowledge, certain FHCs are also currently participants in the market for Asset Management Agreements.

The Sub-Chartering Activities of the BAC/ML Commodities Business serve to reduce the risk of its Physical Commodity Trading Activities, including by enhancing the BAC/ML Commodities Business's understanding of charter markets, and allowing it to avoid unnecessary costs relating to the chartering of vessel capacity that the BAC/ML Commodities Business is not able to utilize fully on its own in connection with its Physical Commodity Trading Activities.

Sub-Chartering Activities are no different in legal or contractual terms from Chartering Activities generally, and the risks related to Sub-Chartering Activities are similar to those that the Board has found acceptable with respect to the transportation of physical commodities in connection with Physical Commodity Trading Activities. The BAC/ML Commodities Business relies on the substantial physical trading, chartering and shipping expertise of its legal, compliance and operations personnel, external counsel and technical consultants in the monitoring of risks related to such Activities, including contingency planning and response.

For purposes of this Notification, Bank of America submits that Sub-Chartering Activities should be understood as an inherent part of Physical Commodity Trading Activities, and related to the BAC/ML Commodities Business's Financial Commodity Activities. Numerous banking and non-banking competitors are active participants in charter and sub-charter markets in connection with their Physical Commodity Trading Activities (including such FHC competitors as Barclays PLC, Goldman Sachs, J.P. Morgan Chase & Co., Macquarie Bank and Morgan Stanley).

Accordingly, Bank of America believes that Sub-Chartering Activities should not be considered to be a separate activity (requiring separate Board approval as a "new"

Complementary Activity), but, rather, that such Activities are an integral part of chartering activities relating to the transportation of physical commodities in connection with Physical Commodity Trading Activities (and, thus, are themselves a part of Physical Commodity Trading Activities and complementary to Financial Commodity Activities). Moreover, the Commitments set out in Exhibit A, derived from the Commitments which the Board has required in connection with Physical Commodity Trading Activities, will minimize any storage, transportation, legal, operational, environmental or reputational risks that could arise in connection with the transportation of physical commodities or the Sub-Chartering Activities.

Reference is made to the Confidential Supplement for additional information concerning the Sub-Chartering Activities of the BAC/ML Commodities Business.

3. Scope and Relative Size of the Proposed Activities

Reference is made to the Confidential Supplement.

4. Anticipated Public Benefits of the Proposed Activities

Significant benefits will accrue to Bank of America's present and future customers and the market for commodity-related financial products and services as a result of the conduct of the Proposed Activities. Bank of America expects that allowing the BAC/ML Commodities Business to maintain the Proposed Activities in the portfolio of products that the BAC/ML Commodities Business currently offers will allow such Business the flexibility to tailor and structure a full range of commodity-related products and services to meet customer needs, and meet its own risk management objectives.

With the development of the market for Commodity Derivatives, only a handful of the world's largest and most sophisticated financial institutions are able to offer the breadth of commodity products that customers demand. As described in this Notification, Bank of America possesses the financial resources, transactional experience and risk management structures to continue to compete vigorously with existing market leaders. Allowing Bank of America to continue to engage in the Proposed Activities will solidify its presence as a significant competitor and improve liquidity in the market for financial services in the commodity sector.

5. Commitments

Bank of America proposes to conduct the Proposed Activities in accordance with the Commitments set out in Exhibit A.

E. Risk Management and Internal Controls

1. Risks Posed by the BAC/ML Commodities Business

Market Risk: The BAC/ML Commodities Business will be exposed to movements in the prices of commodities underlying the positions it holds in connection with the Proposed Activities.

Reference is made to the Confidential Supplement for additional information concerning Bank of America's market risk management system applicable to the Proposed Activities.

Credit Risk: In conducting the Proposed Activities, the BAC/ML Commodities Business is exposed to the risk of counterparty default similar to the analogous risk of default with respect to Financial Commodity Activities that do not require separate approval as Complementary Activities. Bank of America applies its credit risk management and control infrastructure to monitor and limit the amount, type and concentration of credit risk to which the BAC/ML Commodities Business is exposed.

Reference is made to the Confidential Supplement for additional information concerning Bank of America's credit risk management and control infrastructure applicable to the Proposed Activities.

Operational Risk: The primary incremental risk posed by the Proposed Activities is operational risk. Unlike Bank of America's Financial Commodity Activities that do not require separate approval as Complementary Activities, the Proposed Activities will at times require the BAC/ML Commodities Business to arrange for the storage or transportation of physical commodities. In this context (and by way of example), mechanical, technological, natural or other similar failures may limit the BAC/ML Commodities Business's ability to arrange for the transportation of physical commodities through the appropriate channels, creating a risk of default under physical delivery contracts. However, the BAC/ML Commodities Business has experience in sourcing alternate supplies in spot markets and other measures to help mitigate the potential impact of such defaults.

In addition, the trading of physical commodities typically involves volumetric or financial charges for operational occurrences (such as the typical and customary loss of small amounts of product during transport and storage). The loss is typically distributed in industry contracts as a percentage charge built into pricing for transportation and storage. Such charges vary from physical operator to physical operator and contract to contract (generally depending on the delivery points in question), and are typically disclosed during contract negotiations and on regular account statements. Bank of America believes, therefore, that this incremental operational risk can be reasonably quantified and allocated in market-standard contracts.

Reference is made to the Confidential Supplement for additional information concerning Bank of America's operational risk management applicable to the Commodity Trading Activities.

Legal Risk: Transactional relationships in the markets for physical commodities are often governed by relatively standard master agreements and are supported by well-developed course-of-dealing trade practices. Therefore, the Proposed Activities are conducted in an environment of relative legal certainty.

U.S. federal regulatory supervision of natural gas and other commodities markets (and comparable regulatory supervision in non-U.S. markets) also mitigates risks associated with the Proposed Activities and helps protect physical commodity markets from the adverse effects of unfair competition, conflicts of interest and market manipulation. Indeed, U.S. commodities markets are actively regulated by the CFTC, the National Futures Association and applicable exchanges. In addition, FERC regulates interstate commerce in natural gas and power, including with respect to the terms of transportation and the development of related infrastructure. Regulations currently in place serve to (i) regulate the cost of certain transportation-related services, (ii) ensure non-discriminatory access to markets, (iii) prohibit improper sharing of information between a regulated transporter and its affiliates, and (iv) curtail the existence and exercise of market power and other anticompetitive practices.

Additionally, each country in the European Union has an independent national regulatory authority to ensure that gas and electricity market participants, including suppliers and network companies, operate correctly and provide the services promised to their customers. Since 2003, the European Regulators Group for electricity and gas, comprised of the heads of each of these national regulatory authorities, has been working to advise and assist the European

Commission in the consolidation of E.U. electricity and gas markets, with goals that include harmonizing the powers and regulations of independent national regulators, improving cross-border regulation, improving transparency and market access, and eliminating barriers to cross-border trade.

Reference is made to the Confidential Supplement for additional information concerning Bank of America's legal risk management system applicable to the BAC/ML Commodities Business.

Reputational Risk: Operational failures to perform under contracts for physical delivery could expose Bank of America to reputational risks with end-users. The failure of physical operators to actually make delivery in respect of commodities could also expose Bank of America to indirect reputational risk. Like other industry participants, the BAC/ML Commodities Business will look to contractual provisions and regulatory tariffs to help mitigate and control these risks. The application of the Commitments will also help to manage the reputational risks related to the conduct of the Proposed Activities.

2. Control and Risk Management Infrastructure

To ensure that the Proposed Activities are conducted in a safe and sound manner and in accordance with applicable law, rules and regulations, Bank of America has implemented risk management processes which include appropriate oversight and supervision, managerial and staff expertise, and risk identification, measurement and management information systems. Bank of America's well-established risk management policies, procedures and controls (including in respect of Operations, Middle Office/Scheduling Functions, Finance, Legal, Compliance, Market and Credit Risk, Management and Technology functions) are intended to ensure that appropriate risk limits are established, exposure is recorded and monitored against such limits, and transactions are appropriately processed, recorded and documented.

Reference is made to the Confidential Supplement for a further description of control systems and risk mitigants applicable to the conduct of the Proposed Activities.

a. Control and Risk Management Procedures Specific to the BAC/ML Commodities Business

In addition to general risk management procedures and controls described above, the BAC/ML Commodities Business has implemented a number of supplemental procedures and controls specifically tailored to the risks and structure of the Business.

Reference is made to the Confidential Supplement for more information concerning BAC/ML Commodities Business supplemental procedures and controls.

b. International Coordination

As part of its risk management procedures, the BAC/ML Commodities Business conducts legal due diligence on a periodic basis with respect to jurisdictions outside the United States in which transaction counterparties are located and commodity deliveries take place.

Reference is made to the Confidential Supplement for additional information concerning the BAC/ML Commodities Business' international legal due diligence process.

3. New Product Approval/Review Process

All new products or business initiatives launched by Bank of America are subject to a customary internal approval processes ("New Product Approval Process").

Reference is made to the Confidential Supplement for additional information concerning the New Product Approval Process applicable to the BAC/ML Commodities Business.

F. Financial and Managerial Resources Available to Support the Conduct of the Proposed Activities

1. Financial Resources

Although the ML Entities will be the primary members of the Bank of America group involved in the Proposed Activities, they will be able to draw on the financial resources and support of Bank of America and members of the Bank of America group.

In light of Bank of America's size and capital levels described in Part I.B.1 above, Bank of America submits that the financial resources available to support the Proposed Activities are more than sufficient to support the BAC/ML Commodities Business's expected business and operations.

Reference is also made to the Confidential Supplement.

2. Human Resources

Reference is made to the Confidential Supplement for information concerning the management organizational structure of the ML Entities and the activities and experience of certain employees of the BAC/ML Commodities Business. These employees have considerable experience and expertise in the execution and multi-disciplinary risk management (including operational risk management) of Commodity Activities (including the Proposed Activities).

II. REQUEST FOR AUTHORIZATION TO CONDUCT THE PROPOSED ACTIVITIES

By this Notification, Bank of America requests the same authority previously granted to certain other FHCs to conduct the Proposed Activities – as set forth in the Physical Commodity Trading Approvals, Electricity Supply Contract Approvals, VPP Approvals, Energy Management Approvals and Energy Tolling Approvals (collectively, the "Board Commodity Approvals") – from and following the end of the Grandfathering Period. As noted above, favorable action with respect to this Notification would supplement the BAC Order and enable the BAC/ML Commodities Business to continue to conduct (or, to the extent certain Physical Commodity Trading Activities or Energy Tolling Activities have not yet been commenced prior to the end of the Grandfathering Period, carry out its plans to conduct in the near future) the Proposed Activities following the end of the Grandfathering Period.

Moreover, in support of favorable action with respect to this Notification, Bank of America agrees to conduct all Complementary Activities in a manner fully consistent with the terms and conditions of the Commitments.

III. ANALYSIS OF FACTORS TO BE CONSIDERED UNDER 12 C.F.R § 225.89

A. The Proposed Activities are "Complementary" to a Financial Activity

Regulation Y currently permits FHCs to engage in Financial Commodity Activities as activities that are "closely related to banking." As reflected in the Board Commodity Approvals, the Board has determined that (i) engaging in Physical Commodity Trading Activities, including in relation to Long-Term Electricity Supply Contracts and VPPs, (ii) engaging in Energy Management Agreements, and (iii) engaging in Energy Tolling Activities, are complementary to Financial Commodity Activities. As described in Part I.D above, Bank of America also submits that engaging in customer-driven Asset Management Agreements and Sub-Chartering Activities falls within the scope of Board Complementary Orders' existing authorizations.

Many of Bank of America's principal bank and non-bank competitors provide services similar to the Proposed Activities as part of a full-service package. As described in Part I.D above, the Proposed Activities will complement Bank of America's financial activities both in completing the range of financial and physical products and services that Bank of America can offer and by enhancing the efficiency of its Commodity Activities. Bank of America submits, therefore, that the Proposed Activities are "complementary" to Financial Commodity Activities for purposes of Section 4(k)(1)(B) of the BHCA and Regulation Y.

B. The Proposed Activities Will Not Pose a Substantial Risk to the Safety and Soundness of Bank of America, its Subsidiary Depository Institutions or the Financial System Generally

The risks created by the Proposed Activities are to be governed by a comprehensive system of multi-disciplinary risk management and mitigation already in place. As described in Part I.E above, the risks posed by the Proposed Activities are substantially the same as those managed by the Bank of America group in carrying out its Financial Commodity Activities. The risk management infrastructure that Bank of America (and the BAC/ML Commodities Business) have developed to support such Activities is applied to the Proposed Activities and provides a similar level of control as to financial and other risks across all of Bank of America's Commodity Activities. Finally, the Commitments, which are substantially the same as those provided by other FHCs in connection with the Board's approvals of their proposals to engage in certain of the Proposed Activities, are designed to minimize the risks associated with such Activities.

In light of the foregoing, Bank of America submits that the Proposed Activities will not pose a substantial risk to the safety and soundness of Bank of America, its subsidiary depository institutions or the financial system generally.

C. Approval of this Notification Will Produce Net Public Benefits

Bank of America submits that the authority to allow the BAC/ML Commodities Business to continue to conduct the Proposed Activities will produce significant benefits to its present and future customers and will contribute to robust competition in the market for commodity-related financial products with little cost or incremental risk to the public. The benefits described in Part I.D.4 above, including maintaining the cost-efficiency, flexibility and diversification of Bank of America's Commodity Activities, would be immediate, obvious and significant to Bank of America's customers. Systemic benefits to the commodities markets would also be significant, since maintaining Bank of America's existing presence in commodity markets will continue to add further liquidity to such markets and make them more efficient. By contrast, as described in Parts I.E and III.B above, the incremental risk associated with maintaining the Proposed Activities is minimal and will be subject to the existing comprehensive risk management framework of the BAC/ML Commodities Business.

IV. SPECIFIC INFORMATION REQUIREMENTS UNDER 12 C.F.R. § 225.89

A. *Identify and define the proposed complementary activity, specifically describing what the activity would involve and how the activity would be conducted.*

Reference is made to Part I.D above.

B. *Identify the financial activity for which the proposed activity would be complementary and provide detailed information sufficient to support a finding that the proposed activity should be considered complementary to the identified financial activity.*

Reference is made to the Introductory Statement and Parts I.D and III.A above.

C. *Describe the scope and relative size of the proposed activity, as measured by the percentage of the projected financial holding company revenues expected to be derived from and assets associated with conducting the activity.*

Reference is made to Part I.D.3 above.

D. *Discuss the risks that conducting the activity may reasonably be expected to pose to the safety and soundness of the subsidiary depository institutions of the financial holding company and to the financial system generally.*

Reference is made to Parts I.E and III.B above.

E. *Describe the potential adverse effects, including potential conflicts of interest, decreased or unfair competition, or other risks, that conducting the activity could raise, and explain the measures the financial holding company proposes to take to address those potential effects.*

Reference is made to Parts I.E and III above.

F. *Describe the potential benefits to the public, such as greater convenience, increased competition, or gains in efficiency, that the proposal reasonably can be expected to produce.*

Reference is made to Part III.C above.

G. *Provide any information about the financial and managerial resources of the financial holding company and any other information requested by the Board.*

Reference is made to Parts I.E and I.F above.

EXHIBIT A[1]

COMMITMENTS

In order to ensure that the Proposed Activities do not pose a substantial risk to the safety and soundness of Bank of America, depository institutions or the financial system generally, Bank of America hereby commits to the Board to observe each of the following Commitments in connection with the conduct by Bank of America of the Proposed Activities under the requested approval from the Board for the ML Entities and its affiliates to engage in the Proposed Activities as complementary to financial activities under Section 4(k)(1)(B) of the BHCA:

A. General

- Bank of America will conduct its Complementary Activities pursuant to the authority of Section 4 of the BHCA and in accordance with the limitations that the Board has placed on the conduct of such Activities.

B. Physical Commodity Trading and Related Activities

- Bank of America will limit to 5% of Bank of America's consolidated Tier 1 capital the sum of (i) the aggregate market value of physical commodities that Bank of America holds at any one time as a result of its Physical Commodity Trading Activities, (ii) the present value of all capacity payments to be made by Bank of America in the aggregate in connection with Energy Tolling Activities, (iii) the market value of any physical commodities held by Bank of America as a result of a failure of reasonable efforts to avoid taking delivery in commodities transactions conducted pursuant to Section 225.28(b)(8)(ii)(B) of Regulation Y, and (iv) any physical commodities that Bank of America receives under a VPP transaction and does not immediately sell to a third party. In addition, Bank of America agrees to notify the Federal Reserve Bank of Richmond if the total amount of the values set out in clauses (i) through (iv) exceeds 4% of Bank of America's consolidated Tier 1 capital.

- Bank of America will take and make physical delivery of, or store, only Approved Commodities; i.e., physical commodities for which derivative contracts have been authorized for trading on U.S. futures exchanges by the CFTC (unless specifically excluded by the Board) or which have been specifically authorized by the Board.

- Bank of America will not own, invest in or operate facilities for the extraction, transportation, storage or distribution of commodities (except in satisfaction of debts previously contracted or in connection with a nonperforming loan, or where such investment is otherwise permissible for an FHC) but will only use storage and transportation facilities owned and operated by third parties, and will enter into service agreements only with accredited, reputable independent third party facilities.

---

[1] Capitalized terms used in this Exhibit A and defined in the Notification to which this Exhibit A is attached (the "Notification") but not defined herein have the same meaning in this Exhibit A as they have in the Notification.

- Bank of America will act solely as an intermediary in the physical commodities markets, and will not process, refine, store or otherwise alter a physical commodity itself. Additionally, Bank of America (i) will not contract for the exclusive right to use a facility to alter commodities for any period of time, and (ii) will contract with a third party for any services it needs in connection with the handling of any commodity. Consistent with the authority to engage in Physical Commodity Trading Activities reflected in its Complementary Order, Bank of America will contract with third parties (i) to alter only an Approved Commodity, and (ii) to alter the Approved Commodity only into another Approved Commodity.

C. Long-Term Electricity Supply Contracts

- Bank of America will enter into long-term electricity supply contracts only with large commercial and industrial end-users that consume electricity at a rate of at least (i) 800 MWh/year, or (ii) the minimum consumption level for large commercial and industrial customers under applicable state law, whichever is greater.

D. Energy Management Agreements and Asset Management Agreements

- Bank of America will only act as Energy Manager or Asset Manager if the Energy Management Agreement or Asset Management Agreement under which it performs its services, as the case may be, provides that:
    - In the case of an Energy Management Agreement, the Asset Owner of the relevant facility retains the right to market and sell power directly to third parties, which may be subject to the Energy Manager's right of first refusal;
    - In the case of an Energy Management Agreement, the Asset Owner of the relevant facility retains the right to determine the level at which the facility will operate (i.e., to dictate the power output of the facility at any given time);
    - In the case of an Energy Management Agreement or Asset Management Agreement, neither the Energy Manager nor the Asset Manager nor their affiliates guarantee the financial performance of the relevant facility;
    - In the case of an Energy Management Agreement or Asset Management Agreement, neither the Energy Manager nor the Asset Manager nor their affiliates bear any risk of loss if the relevant facility is not profitable; and
    - In the case of an Energy Management Agreement or Asset Management Agreement, neither the Energy Manager nor the Asset Manager exercises control over the general management or operations of an Asset Owner or AMA Counterparty or any power generation, pipeline or storage facility under such Agreement.

E. Sub-Chartering Activities

- Bank of America will not maintain ownership or exercise control over the general management or operations of any chartered vessel or its owner.

- Any vessel that carries oil in connection with Bank of America's Chartering or Sub-Chartering Activities will (i) be a member of a Protection and Indemnity Club and carry the maximum insurance for oil pollution available from the Club, (ii) be subject to age limitations, (iii) be inspected under the Ship Inspection Report program of the Oil Companies International Marine Forum (the industry group to which most of the oil company market participants are members, and to which most vessel owners submit their vessels for inspection under such program),[2] and (iv) have appropriate spill response plans and equipment. Similar requirements will apply to vessels that carry other environmentally-sensitive products, such as natural gas.

- Bank of America will (i) have a comprehensive backup plan in the event any vessel owner in connection with Bank of America's Chartering or Sub-Chartering Activities fails to respond adequately to an oil spill, and (ii) hire inspectors to monitor the vessel loading and discharging of BAC/ML Commodities Business cargo.

- Bank of America will maintain insurance with creditworthy Protection and Indemnity Clubs and/or insurers to cover contractual, tortious or statutory liabilities to third parties (including cargo owners, vessel owners and environmental damage claimants (e.g., property owners, fishermen claiming loss of business, and state authorities carrying out clean-up)) arising from a vessel chartered as part of Bank of America's Chartering or Sub-Chartering Activities.

F. Aggregate Revenue Limits

- Bank of America will limit to 5% of Bank of America's total consolidated operating revenues the sum of all revenues attributable to Bank of America's (i) Energy

---

[2] Prior Board Complementary Orders included a commitment that any vessel that carries oil in connection with Chartering Activities will "be approved by a major international oil company". The major international oil companies have ceased providing this approval directly and the industry equivalent is the inspection program under the Ship Inspection Report program which is conducted by the Oil Companies International Marine Forum (and includes records of the prior vessel inspections carried out at the request of oil companies) and is available only to members of the industry group. The BAC/ML Commodities Business is a Ship Inspection Report program-subscribing member of the Oil Companies International Marine Forum.

Management Agreements, (ii) Asset Management Agreements, and (iii) Sub-Chartering Activities.[3]

G. Assure Proper Risk Management and Controls

- Bank of America will assure proper risk management and controls over all Complementary Activities.

* * *

None of the foregoing Commitments restrict the existing authority of Bank of America to deal in foreign exchange, precious metals or any other bank-eligible commodity.

---

[3] "Total operating revenues" is defined as net interest income and all non-interest revenue, including net securities gains but excluding extraordinary items.

SIMPSON THACHER & BARTLETT LLP
425 LEXINGTON AVENUE
NEW YORK, N.Y. 10017-3954
(212) 455-2000

FACSIMILE: (212) 455-2502

DIRECT DIAL NUMBER
(212) 455-2250

E-MAIL ADDRESS
smcginn@stblaw.com

PRIVILEDGED AND CONFIDENTIAL

October 2, 2012

RE: Notice by The Toronto-Dominion Bank to
Engage in Commodity Trading Activities

Mr. Ivan J. Hurwitz
Bank Supervision Officer
Federal Reserve Bank of New York
33 Maiden Lane, 20th Floor
New York, New York 10045

Dear Mr. Hurwitz:

The Toronto-Dominion Bank ("TD"), a financial holding company within the meaning of Subpart I of Regulation Y, is filing this notice (the "Notice"), pursuant to Section 4(k)(1)(B) of the Bank Holding Company Act of 1956, as amended, and Section 225.89 of Regulation Y, to request the prior approval of the Board of Governors of the Federal Reserve System (the "Board") to engage in physical trading of nonfinancial commodities in the United States as an activity that is complementary to the financial activity of engaging regularly as principal in trading and investing in derivative contracts based on nonfinancial commodities.

TD conducts the majority of its commodity trading activity in financial natural gas, physical natural gas, financial crude oil, financial refined oil products, financial

BEIJING HONG KONG HOUSTON LONDON LOS ANGELES PALO ALTO SÃO PAULO TOKYO WASHINGTON, D.C.

metals trading and physical precious metals. TD has been a dealer in commodity derivatives in both Canada and the United States since 2000 and has traded in precious metals (financial and physical) since 2009.

With respect to energy commodities, a team of approximately 31 people are directly employed in performing roles in sales, trading, physical gas control, risk management, documentation, accounting and senior management. In 2003, TD began trading in physical natural gas in Canada exclusively primarily to serve client needs and as a way of conducting more effectively its derivatives activities. Since then, physical natural gas clients include natural gas exploration and production companies, local gas distribution companies (utilities), commodity chemical manufacturers, natural gas liquids extraction plants, forest products firms, food and beverage producers, and greenhouses. TD conducts physical natural gas transactions at various trading hub locations across Canada and engages in the storage of natural gas at or near several of these locations. Based on information from the Natural Gas Exchange (NGX), TD is among the top five natural gas trading companies in Canada by volume.

TD, through its indirect wholly-owned subsidiary, TD Energy Trading Inc., a corporation formed under the law of Calgary, Canada, now proposes to expand its energy commodity activities to include trading and structured financing transactions in the natural gas markets in the United States (the "Complementary Activities"). Some of these transactions will require TD to make or take physical delivery of natural gas and, in some instances, to store natural gas, as described in more detail below.

The discussion below repeats the information requirements contained in Section 225.89 of Regulation Y, followed by TD's response or reference to an exhibit where the response is contained.

Identify and define the proposed complementary activity, specifically describing what the activity would involve and how the activity would be conducted. Identify the financial activity for which the proposed activity would be complementary and provide information sufficient to support a finding that the proposed activity should be considered complementary to the identified financial activity.

Regulation Y authorizes bank holding companies to engage as principal in derivative contracts based on financial and nonfinancial assets. Regulation Y generally does not permit bank holding companies to take or make delivery of nonfinancial commodities underlying commodity derivatives, or to purchase or sell nonfinancial commodities in the spot market.

TD regularly engages as principal in commodity derivatives that are permissible for bank holding companies and that are based on a variety of commodities, including natural gas. TD requests the Board to permit it to purchase and sell these and other physical commodities in the spot market and take and make delivery of physical commodities to settle commodity derivatives.

TD believes that there is a strong connection between the Complementary Activities and TD's existing activities relating to commodities. TD is involved in physical commodity markets in Canada primarily to serve client needs and as a way of conducting more effectively its derivatives activities. In order to compete effectively in the commodity derivatives business, it is important to be able to enter into physically settled transactions and, from time to time, to make or take physical delivery of, or store, the underlying commodity. The authority to engage in the Complementary Activities will enable TD to be a more effective and efficient competitor in its existing commodities derivatives business.

TD will also be able to more effectively hedge transactions in its existing business if it has the authority to engage in the Complementary Activities.

The Complementary Activities will allow TD to provide risk management services that more effectively meet clients' demands. It is often more efficient for clients to finance transactions by securing borrowings with physical commodities. To maintain and expand its lending relationships with such clients, TD requires the ability to hold title to physical commodities. The ability to take title to, or store, the underlying commodity will allow TD to structure transactions for clients in a way that best serves its clients' risk management needs.

The involvement of TD in physical commodities activities will also provide it with access to information regarding the physical markets, which will enhance its ability to structure transactions for clients and improve its risk management capability.

The Board previously has determined that Commodity Trading Activities involving a particular commodity complement the financial activity of engaging regularly as principal in commodity derivates based on that commodity.[1] TD submits that the Complementary Activities are complementary to its existing commodity derivative activities.

---

[1] *See, e.g.*, *Barclays Bank PLC*, 90 Fed. Res. Bull. 511 (2004); *UBS AG*, 90 Fed. Res. Bull. 215 (2004); *Citigroup, Inc.*, 89 Fed. Res. Bull. 508 (2003).

Describe the scope and relative size of the proposed activity, as measured by the percentage of the projected financial holding company revenues expected to be derived from and assets associated with conducting the activity.

Confidential Exhibit 1 contains projections of the expected size of the Complementary Activities in energy commodities over the next three years and the revenues that the Complementary Activities are expected to generate during such period.

The market value of commodities held by TD as a result of Complementary Activities will not exceed 5% of TD's consolidated tier 1 capital, as calculated under its home country standard. For purposes of this calculation, TD will include the market value of any commodities held by TD as a result of a failure of its reasonable efforts to avoid taking delivery under Section 225.28(b)(8)(ii)(B) of Regulation Y. TD will notify the Federal Reserve Bank of New York if the market value of commodities held by TD exceeds 4% of its tier 1 capital.

Discuss the risks that conducting the activity may reasonably be expected to pose to the safety and soundness of the subsidiary depository institutions of the financial holding company and to the financial system generally.

The Complementary Activities will entail various types of risk. TD has established and maintains policies and procedures for monitoring, measuring, and controlling the credit, market, settlement, reputational, legal and operational risks involved in its existing commodity activities, which include trading of both derivative and physical contracts. These policies and procedures address key areas such as counterparty credit risk, value-at-risk methodology and internal limits with respect to commodity trading. In addition, TD has committees that monitor and approve new business and new products, as well as major changes that could expose TD to operational or reputation risk. Other internal control elements, such as appropriate reporting lines, proactive control functions and periodic internal audits, help manage inherent risks of commodity derivative activities. The policies, committees and control functions referred to in this paragraph are described in Confidential Exhibit 2.

The potential risks of the Complementary Activities will be further managed by the 4% limit on the market value of commodities held pursuant to this activity (discussed above) and TD's commitment that, in conducting its Complementary Activities, TD will not (i) own, operate, or invest in facilities for the extraction, transportation, storage, or distribution of commodities, or (ii) process, refine, or otherwise alter commodities. In conducting the Complementary Trading Activities, TD will use appropriate storage and transportation facilities owned and operated by third parties.

TD will take and make delivery only of physical commodities for which derivative contracts have been authorized for trading on a U.S. futures exchange by the U.S. Commodity Futures Trading Commission (the "CFTC").

In light of the foregoing, TD does not believe that the proposed activities may reasonably be expected to pose significant risk to the safety and soundness of its subsidiary depository institutions, U.S. branches and agencies or to the financial system generally.

Describe the potential adverse effects, including potential conflicts of interests, decreased or unfair competition, or other risks, that conducting the activity could raise, and explain the measures the financial holding company proposes to take to address those potential effects.

TD believes that it has the managerial expertise and internal control framework necessary to manage adequately the risks of taking and making delivery of physical commodities as proposed. Moreover, TD is experienced in managing such risks because it engages in physical commodity trading activities in Canada.

TD does not believe that the proposed activities will result in decreased or unfair competition. In fact, TD's expansion in the Complementary Activities will be precompetitive. TD will enter this market in the United States as a new competitor rather than by acquiring an existing competitor. Permitting TD to engage in the Complementary Activities will provide existing competitors in those markets, which include both non-financial holding companies and financial holding companies such as Citigroup, Barclays, Bank of America and UBS, among others, with additional competition. Permitting TD to engage in the Complementary Activities will also enhance competition by adding additional participants in the spot market for nonfinancial commodities and by permitting TD to offer a full range of commodity-related services to its customers.

Finally, the potential for any adverse effects is further reduced by the fact that TD and its Commodity Trading Activities will be subject to applicable commodities laws and certain rules and regulations of the CFTC, which is specifically charged with preventing fraud, manipulation and abuse in commodity markets generally, including the markets for energy commodities.

Describe the potential benefits to the public, such as greater convenience, increased competition, or gains in efficiency, that the proposal reasonably can be expected to provide.

Authorizing TD to engage in the Complementary Activities will provide benefits to the public by enabling the clients of TD to structure their transactions in the manner that is most desirable from the perspective of both efficiency and risk management, rather than having the structure of such transactions driven by regulatory constraints.

As discussed above, permitting TD to engage in the Complementary Activities will enhance competition by allowing an additional competitor to offer a broader range of products to its customers.

The Complementary Activities would better enable TD to improve its own risk management practices, by providing it with greater information regarding the physical markets, by facilitating the management of its delivery and receipt obligations, and by enabling it to hedge its derivatives positions more effectively.

Provide any information about the financial and managerial resources of the financial holding company and any other information requested by the Board.

A copy of TD's 2011 Annual Report and quarterly reports for 2012 are attached as Public Exhibit 1 to this Notice.

* * *

Confidential treatment is requested for Confidential Exhibits 1 and 2 on the grounds that they contain information that is not otherwise available to the public, the disclosure of which would be likely to cause TD substantial competitive harm. Confidential treatment is therefore warranted pursuant to 5 U.S.C. § 552(b)(4) and 12 C.F.R. Part 261.

Please address any questions regarding this Notice to me at 212-455-2250 or smcginn@stblaw.com, or Mark Chorazak at 212-455-7613 or mchorazak@stblaw.com.

Very truly yours,

Stacie E. McGinn

Enclosures

Federal Reserve Bank of New York Discovery Review: Global Commodities

February 2010

Page(s)
Redacted By The
Permanent Subcommittee
on Investigations

Goldman Sachs

An Introduction to Global Commodities

Current Physical Business Activities

- Goldman Sachs's primary focus in commodities is an active liquidity provider, providing risk management solutions to a wide range of clients, including producers, consumers, industrial users, central banks, investors and financial institutions
- We are also engaged in the purchase, sale, storage and transportation of various physical commodities
- Our physical trading capabilities allows us to provide complimentary risk management solutions to a wide range of producers, consumers and utilities
- We have been an active participant in physical commodities for two decades:

1981	Precious metals
1990	Oil and oil products
1993	Base metals, US natural gas (storage and transportation) and power
2001	European natural gas (storage and transportation) and power
2006	Coal and freight
2009	Uranium

- As our physical business continues to grow, it remains small relative to our volume of cash-settled trades
- Our balance sheet held $3.4bn of physical inventory as of 31 December 2009, versus $12.7bn of derivatives - a 3.7x ratio[1]

---

[1] *As classified under US GAAP and as has been reported in Goldman Sachs balance sheet*

Goldman Sachs

An Introduction to Global Commodities

Current Physical Business Activities - Constellation & Nufcor

In March 2009 we acquired a number of Constellation Energy's trading positions held outside of the US. In June 09 we acquired Nufcor International Ltd, a wholly-owned subsidiary of Constellation Energy, and received FSA approval to trade uranium.

As a result of the transaction, we novated positions with over 100 clients, of which approximately half were new clients for Goldman Sachs. The positions included:

- Over 3000 trades across UK, French & German power, and UK natural gas
- 60 coal contracts across 40 clients, with 8 ancillary transportation agreements, covering locations in Asia, South America & Europe
- 20 time and voyage freight agreements
- 900k lbs of uranium ore inventory

In addition, we recruited 13 Constellation employees to complement our existing European Power & Gas team:

- 5 physical coal traders
- 4 salespeople / originators (now 3)
- 3 operations / scheduling & logistics specialists
- 2 strategist

We have since executed a number of physical coal and freight transactions globally using these new resources

Goldman Sachs

An Introduction to Global Commodities

Global Commodities Principal Investing (GCPI)

- GCPI is our global principal investment business, which invests our capital in assets, businesses and projects associated with commodities markets and infrastructure
- GCPI invest in companies in which our experience provides us with special expertise
- It does not maintain a third-party investment fund and investment decisions are not guided by a contractual commitment to put funds to work nor by an artificial need for liquidity, regardless of market conditions
- GCPI does not operate the businesses in its portfolio; instead, we identify experienced managers to operate the businesses and projects. We oversee our holdings through participation on a portfolio company's Board of Directors
- As of 31 December 2009, GCPI held 19 separate investments (including two equity positions) with a total mark-to-market of $357m

Page(s)
Redacted By The
Permanent Subcommittee
on Investigations

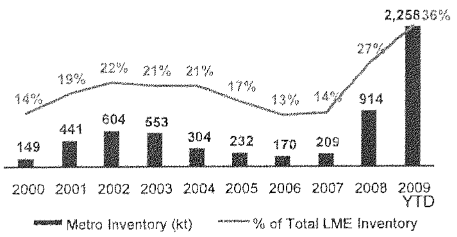
Goldman Sachs

An Introduction to Global Commodities

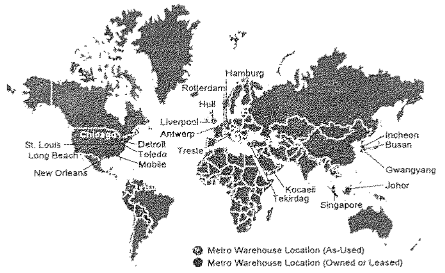
Recent GCPI Investment: Metro International Trade Services Inc.

- In December 2009, GS agreed to acquire 100% of Metro International Trade Services Inc ("Metro") for $450m
- Transaction is expected to close in February 2010
- Metro is the leading warehouse operator engaged in the movement and storage of non-ferrous metals for customers of the London Metal Exchange (LME)
- Founded in 1991, the company is headquartered in Michigan and has 31 full time employees

Market Share



Geographic Footprint



Page(s)
Redacted By The
Permanent Subcommittee
on Investigations

Goldman Sachs

An Introduction to Global Commodities

Competitive Landscape

We compete with a wide range of organizations, ranging from highly-regulated investment banks to less-regulated commodity trading firms and hedge funds

Investment Banks	Primary Products	Financial and/or Physical
Morgan Stanley	Full Range	Financial and Physical
JPMorgan Chase	Full Range	Financial and Physical
Barclays	Full Range	Financial and Physical
Deutsche Bank	Energy, Metals, Power	Financial

Commodity Trading Firms	Products	Financial and/or Physical
Glencore	Energy, Metals, Coal, Ags	Physical (expanding Financial)
Vitol	Oil/ Products, US Gas	Physical
Noble	Oil and Products, Coal	Physical
British Petroleum	Energy, Gas and Power	Physical and Financial

Hedge Funds	Products	Financial and/or Physical
Citadel	Energy, Gas and Power	Financial
Millennium	Gas and Power (U.S.)	Financial
Moore Capital	Metals	Financial

Page(s)
Redacted By The
Permanent Subcommittee
on Investigations

Goldman
Sachs

Global Commodities Principal Investments

Commodities Private Equity Presentation to the Federal Reserve

March 2010

Agenda

I. Business Overview

II. Investment Approval Flow

III. Portfolio Overview

IV. Investment Oversight and Review

V. Summary of key Risks, Controls and Mitigants

Global Commodities Principal Investments

I. Business Overview

Goldman Sachs

Global Commodities Principal Investments ("GCPI")

Business Unit Overview

Overview

- GCPI is the global principal investment business of Global Commodities business unit
- GCPI invests as principal in companies/assets linked to the global commodities trade
- Goldman's past investments in energy infrastructure (both on and off balance sheet) provided basis to expand investment focus to included commodities/commodity infrastructure more generally
- Knowledge of markets from sales and trading enhances investment expertise
- GCPI does not maintain a third-party investment fund but does enter into transactions on a "club" basis
- GCPI investment professionals do not operate the businesses in the Group's portfolio but rather employ experienced management teams for portfolio companies and supervises investments at board level

Investment Review Process

- Thorough due diligence utilizing internal (e.g., Archon) and external experts
- Committee review of opportunities (ARC, PIC)
- Compliance with all firmwide policies (e.g., Environmental Policy Framework)
- Use of experienced counsel in transaction execution

Global Commodities Principal Investments ("GCPI")

Business Unit Overview

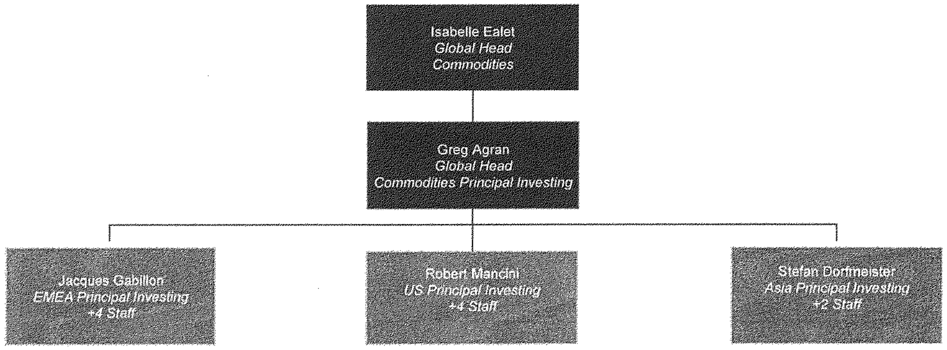
Current holdings include:

- Thermal surface coal mine in Australia
- LME metals warehousing company
- Crude oil & natural gas exploration and production in the North Sea, Central Asia and North Africa
- Natural gas production in the Former Soviet Union
- Sugar-based ethanol production in Brazil
- Bulk carrier shipping through one joint venture headquartered in Europe and a second venture based in Japan
- Carbon offset aggregation and trading in the United States
- LNG re-gas terminal in the Northeast United States

Goldman Sachs

Global Commodities Principal Investments ("GCPI")

Organizational Chart



Isabelle Ealet
Global Head
Commodities

Greg Agran
Global Head
Commodities Principal Investing

Jacques Gabillon
EMEA Principal Investing
+4 Staff

Robert Mancini
US Principal Investing
+4 Staff

Stefan Dorfmeister
Asia Principal Investing
+2 Staff

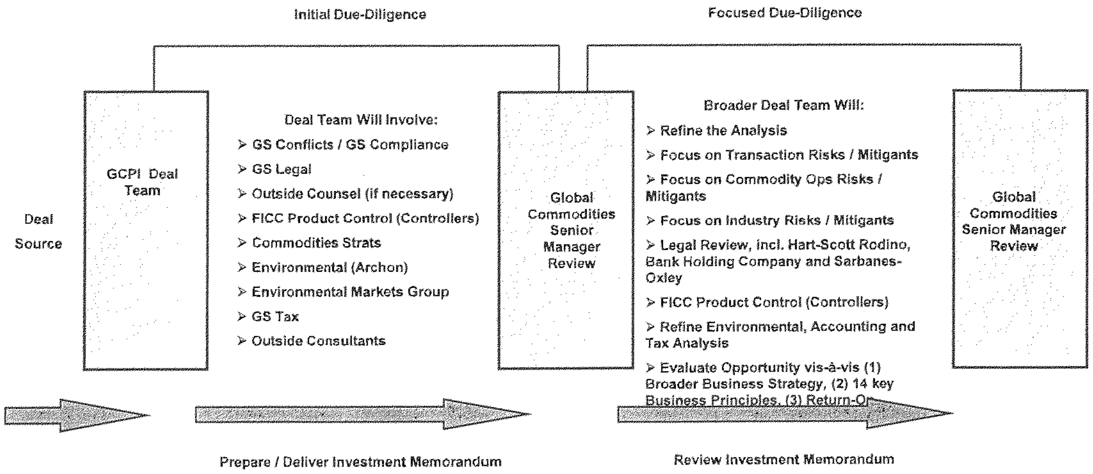
Goldman Sachs

Global Commodities Principal Investments

II. Investment Approval Flow

Goldman Sachs

GCPI Investment Approval Flow: Designed to Maximize Input From All Areas of Goldman Sachs



Initial Due-Diligence

Focused Due-Diligence

Deal Source

GCPI Deal Team

Deal Team Will Involve:

- GS Conflicts / GS Compliance
- GS Legal
- Outside Counsel (if necessary)
- FICC Product Control (Controllers)
- Commodities Strats
- Environmental (Archon)
- Environmental Markets Group
- GS Tax
- Outside Consultants

Global Commodities Senior Manager Review

Broader Deal Team Will:

- Refine the Analysis
- Focus on Transaction Risks / Mitigants
- Focus on Commodity Ops Risks / Mitigants
- Focus on Industry Risks / Mitigants
- Legal Review, incl. Hart-Scott Rodino, Bank Holding Company and Sarbanes-Oxley
- FICC Product Control (Controllers)
- Refine Environmental, Accounting and Tax Analysis
- Evaluate Opportunity vis-à-vis (1) Broader Business Strategy, (2) 14 key Business Principles, (3) Return-O

Global Commodities Senior Manager Review

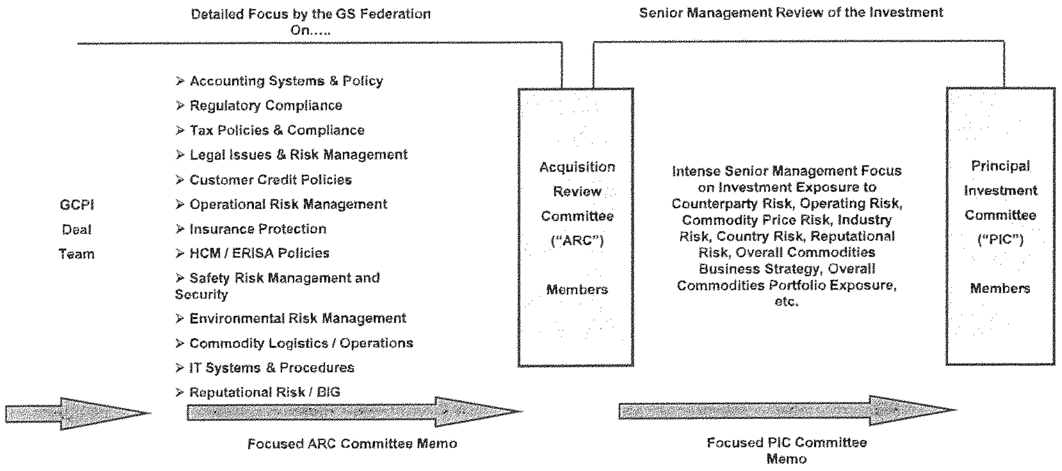
Prepare / Deliver Investment Memorandum

Review Investment Memorandum

- Management Review is an iterative process

Goldman Sachs

GCPI Investment Approval Flow: Some Investments, depending on terms and size, are also reviewed by ARC & PIC



Detailed Focus by the GS Federation On.....

Senior Management Review of the Investment

GCPI Deal Team

- ➢ Accounting Systems & Policy
- ➢ Regulatory Compliance
- ➢ Tax Policies & Compliance
- ➢ Legal Issues & Risk Management
- ➢ Customer Credit Policies
- ➢ Operational Risk Management
- ➢ Insurance Protection
- ➢ HCM / ERISA Policies
- ➢ Safety Risk Management and Security
- ➢ Environmental Risk Management
- ➢ Commodity Logistics / Operations
- ➢ IT Systems & Procedures
- ➢ Reputational Risk / BIG

Acquisition Review Committee ("ARC")

Members

Intense Senior Management Focus on Investment Exposure to Counterparty Risk, Operating Risk, Commodity Price Risk, Industry Risk, Country Risk, Reputational Risk, Overall Commodities Business Strategy, Overall Commodities Portfolio Exposure, etc.

Principal Investment Committee ("PIC")

Members

Focused ARC Committee Memo

Focused PIC Committee Memo

➢ GCPI Deal Team Continues to Negotiate Transaction Terms with the Seller, Sponsor or Third-Party Investment Banker; No Commitment Issued Until All Committee Approvals Have Been Obtained

**Page(s)
Redacted By The
Permanent Subcommittee
on Investigations**

Global Commodities Principal Investments

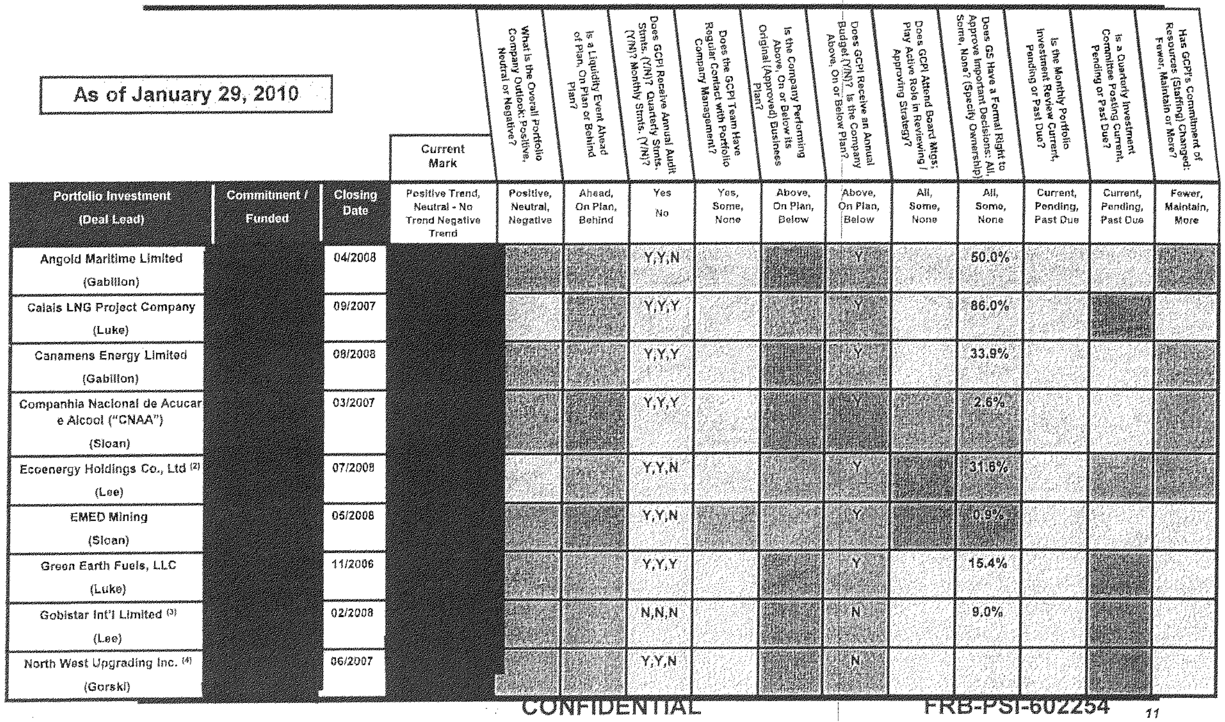
III. Portfolio Overview

Goldman Sachs

Global Commodities Principal Investments: Portfolio Snapshot

▬ = Redacted by the Permanent Subcommittee on Investigations

As of January 29, 2010



Portfolio Investment (Deal Lead)	Commitment / Funded	Closing Date	Current Mark Positive Trend, Neutral - No Trend Negative Trend	What is the Overall Portfolio Company Outlook: Positive, Neutral or Negative? Positive, Neutral, Negative	Is a Liquidity Event Ahead of Plan, On Plan or Behind Plan? Ahead, On Plan, Behind	Does GCPI Receive Annual Audit Stmts. (Y/N)? Quarterly Stmts. (Y/N)? Monthly Stmts. (Y/N)? Yes No	Does the GCPI Team Have Regular Contact with Portfolio Company Management? Yes, Some, None	Is the Company Performing Above, On or Below its Original (Approved) Business Plan? Above, On Plan, Below	Does GCPI Receive an Annual Budget (Y/N)? Is the Company Above, On or Below Plan? Above, On Plan, Below	Does GCPI Attend Board Mtgs; Play Active Role in Reviewing / Approving Strategy? All, Some, None	Does GS Have a Formal Right to Approve Important Decisions: All, Some, None? (Specify Ownership) All, Some, None	Is the Monthly Portfolio Investment Review Current, Pending or Past Due? Current, Pending, Past Due	Is a Quarterly Investment Committee Posting Current, Pending or Past Due? Current, Pending, Past Due	Has GCPI's Commitment of Resources (Staffing) Changed: Fewer, Maintain or More? Fewer, Maintain, More
Angold Maritime Limited (Gabillon)	[redacted]	04/2008	[redacted]			Y,Y,N			Y		50.0%			
Calais LNG Project Company (Luke)	[redacted]	09/2007	[redacted]			Y,Y,Y			Y		86.0%			
Canamens Energy Limited (Gabillon)	[redacted]	08/2008	[redacted]			Y,Y,Y			Y		33.9%			
Companhia Nacional de Acucar e Alcool ("CNAA") (Sloan)	[redacted]	03/2007	[redacted]			Y,Y,Y			Y		2.6%			
Ecoenergy Holdings Co., Ltd [2] (Lee)	[redacted]	07/2008	[redacted]			Y,Y,N			Y		31.6%			
EMED Mining (Sloan)	[redacted]	05/2008	[redacted]			Y,Y,N			Y		0.9%			
Green Earth Fuels, LLC (Luke)	[redacted]	11/2006	[redacted]			Y,Y,Y			Y		15.4%			
Gobistar Int'l Limited [3] (Lee)	[redacted]	02/2008	[redacted]			N,N,N			N		9.0%			
North West Upgrading Inc. [4] (Gorski)	[redacted]	06/2007	[redacted]			Y,Y,N			N					

▬ = Redacted by the Permanent Subcommittee on Investigations

Goldman Sachs

Global Commodities Principal Investments: Portfolio Snapshot

As of January 29, 2010

Portfolio Investment / (Deal Lead)	Commitment / Funded	Closing Date	Current Mark	What is the Overall Portfolio Company Outlook: Positive, Neutral or Negative?	Is a Liquidity Event Ahead of Plan, On Plan or Behind Plan?	Does GCPI Receive Annual Audit Stmts. (Y/N)? Quarterly Stmts. (Y/N)? Monthly Stmts. (Y/N)?	Does the GCPI Team Have Regular Contact with Portfolio Company Management?	Is the Company Performing Above, On or Below its Original (Approved) Business Plan?	Does GCPI Receive an Annual Budget (Y/N)? Is the Company Above, On or Below Plan?	Does GCPI Attend Board Mtgs; Play Active Role in Reviewing / Approving Strategy?	Does GS Have a Formal Right to Approve Important Decisions: All, Some, None? (Specify Ownership)	Is the Monthly Portfolio Investment Review Current, Pending or Past Due?	Is a Quarterly Investment Committee Posting Current, Pending or Past Due?	Has GCPI's Commitment of Resources (Staffing) Changed: Fewer, Maintain or More?
			Positive Trend, Neutral - No Trend Negative Trend	Positive, Neutral, Negative	Ahead, On Plan, Behind	Yes No	Yes, Some, None	Above, On Plan, Below	Above, On Plan, Below	All, Some, None	All, Some, None	Current, Pending, Past Due	Current, Pending, Past Due	Fewer, Maintain, More
PriceLock, Inc. (Mancini)	[redacted]	09/2007	[redacted]			Y,Y,N			Y		20.3%			
Molycorp Minerals LLC [5] (Sloan)	[redacted]	09/2008	[redacted]			Y,Y,Y			Y		25%			
Santelisa Vale (Sloan)	[redacted]	06/2007	[redacted]			Y,Y,N			Y		3.1%			
Syntech Holdings Pty Ltd Syntech Holdings II Pty Limited (Doefmeister)	[redacted]	03/2007	[redacted]			Y,Y,Y			Y		85.0%			
Vostok Energy [6] (Gabillon)	[redacted]	05/2008	[redacted]			Y,Y,Y			Y		7.1%			
Yamamoto Kaiun ("YK") (Gabillon)	[redacted]	09/2008	[redacted]			Y,Y,Y					17.0%			
Blue Source, LLC (Sberiati)	[redacted]	10/2008	[redacted]			Y,Y,N			Y		5.0%			
Coalcorp Mining Inc. (Sloan)	[redacted]	01/2010	[redacted]			Y,Y,Y			Y		100%			
Metro Int'l Trade Services LLC (Gabillon)	[redacted]	02/18/10												

Goldman Sachs

Global Commodities Principal Investments

IV. Investment Oversight and Review

GCPI Portfolio Investment Review

- GCPI has implemented a comprehensive portfolio company review process in which GCPI leadership review each portfolio company with the relevant GCPI Deal Team ***no less than once each quarter***

- The GCPI portfolio investment review process is intended to be a forum for the candid exchange of information about each GCPI portfolio company. The process is intended to:
  - ***Review*** (i) all funded and unfunded investment balances, (ii) any contingent funding obligations, and (iii) any options, warrants and other time-sensitive events
  - ***Review*** portfolio company market and carrying values
  - ***Anticipate*** challenges and opportunities through periodic review of portfolio company financial risk, operating (execution) risk, commodity risk, foreign exchange risk, etc.; evaluate the response by portfolio company management to these risks
  - ***Highlight*** specific issues for GCPI leadership before an issue rises to the level of becoming "a problem"
  - ***Minimize*** the pressure on a deal team confronted with a difficult situation; inject objectivity into a situation by involving other groups within Goldman Sachs (e.g. Commodities, Commodities Operations, FICC Product Control, GS Legal) with relevant experience or a particular skill set useful in addressing a particular issue
  - ***Identify*** platform, acquisition and other growth opportunities – anywhere GCPI can invest additional capital – in order to take advantage of GCPI knowledge of an industry segment, an existing position in a portfolio company or alliance with a proven management team
  - ***Allocate*** the resources required to tackle an issue or capitalize on an add-on investment opportunity

- In addition, use the portfolio investment review process to:
  - Emphasize the importance of timely financial reporting and analysis
  - Review portfolio company management responsiveness and accountability
  - Communicate expectations of Goldman Sachs core principals, including Environment, Health and Safety standards
  - Discuss working capital needs and threats to portfolio company liquidity; identify additional sources of liquidity
  - Discuss shareholder and director rights; identify governance issues which could affect the value of a portfolio investment
  - Evaluate the likelihood and timing of liquidity events, and discuss alternative strategies for realizing the Firm's return objectives

Page(s)
Redacted By The
Permanent Subcommittee
on Investigations

Global Commodities Principal Investments

V. Summary of key Risks, Controls and Mitigants

GCPI Emphasis on Corporate Governance & Oversight

Important Corporate Governance Issues Include:

- Election of directors (required vote, number of directors, term of office, removal) and notice requirements
- Actions which require unanimity, super-majority or majority vote (separately for the board of directors and shareholders)
- GCPI's right to require a liquidity event, the terms of any shareholder agreements, ROFRs and other restrictions on our interest, and preemptive rights and other anti-dilution provisions
- Management rights (director representation, voting rights, liquidity rights, employment agreements)

Portfolio Company Oversight:

- Focus on the appropriate strategy for the underlying business (development, growth, platform, acquisition or harvest)
- Focus on management's responses to:
  - Commodity market trends and industry challenges
  - Controlling operating costs
  - Minimizing working capital requirements; maximizing operating cash flow
  - Incremental capital investment needs (in the context of the incremental dollar's contribution to shareholder returns)
  - Meeting portfolio company debt service requirements
  - Understanding the importance of cash distributions to Goldman Sachs (and others) in the context of the cash-on-cash return on investment
  - Identifying / anticipating alternatives exit strategies and the likely return-on-investment to investors from each

GCPI: Summary of Key Risks and Mitigants

Funds Transfer

- All fund transfer requests are accompanied with:
  - Funding Memo, signed by Commodities Senior Supervisors and the GCPI Global Head, which describes the transaction and the subject transfer of funds
  - Wire Transfer Request Form signed by (1) the relevant Deal Team Lead, (2) the GCPI Asset Manager, (3) the GCPI Global Head, (4) the GS&Co. Treasurer, and (5) GS Legal.
- Commodity Operations will only release funds once the Funding Memo and Wire Transfer Request Form are signed
- GCPI Asset Manager maintains records of the amount of capital committed to / invested in each portfolio investment
- Commodity Operations set up a separate (segregated) brokerage account for each portfolio investment, through which all advances and repayments of capital must flow. Monthly brokerage account statements are delivered directly to Product Controllers where the flows reported in each brokerage account statement are reconciled with (1) the balances reported for each investment by the GCPI Asset Manager, and (2) the approved amount shown in the relevant Funding Memo

Event Risk Management

- All terms of GCPI's investment transactions are reflected in the Firm's Data Capture Tool and GCPI Portfolio Review Summary, however, are not currently tracked in SecDb
- GCPI Portfolio Review Summary is reviewed regularly by the GCPI deal team, the GCPI Asset Manager and Product Controllers
- Meetings involving the GCPI Global Head, GCPI leadership, the GCPI Asset Manager, senior Product Controllers, and J. Aron Accounting are held each quarter to review the GCPI portfolio
- Project underway to book GCPI private equity investments in SecDB to capture significant terms of investments including events such as options and warrants

Page(s)
Redacted By The
Permanent Subcommittee
on Investigations

GCPI: Summary of Key Risks and Mitigants

Limiting Liability

- Under legal doctrines, liability may arise directly or derivatively
- Direct liability
  - Contractual (issuance of guaranties)
  - Acting as operator with respect to particular activity giving rise to liability
- Indirect liability
  - Veil piercing
- Mitigants
  - GCPI does not provide operating guaranties except in specific circumstances
  - GCPI does not act as operator
  - GCPI adheres to principles to limit risk of veil-piercing
  - GCPI limits fiduciary duties, obtains indemnities/D&O on a case by case basis
  - Other insurance

Morgan Stanley
ISG Commodity Operations Summary for Physical Energy Products Support
For Internal Usage Only

Title:	Physical Products Operations Support Summary
Procedure Number:	V1.9
Brief:	Overview of the support that Commodities Operations provides for the physical businesses for Morgan Stanley Commodities.
Implementation Date:	04/20/09
Owner(s):	Kevin Jandora
Review Frequency:	Annual
Last Review Date & Reviewer:	11/03/09 Lila Clarke-Jervoise

Table of Contents

1. SUMMARY 3
2. OBJECTIVE 4
3. DETAIL 4
4. POLICY REFERENCE 21
5. PROCEDURE APPROVAL 21
6. PROCEDURE RETENTION & PUBLICATION 21
7. DOCUMENT HISTORY 21

Morgan Stanley
ISG Commodity Operations Summary for Physical Energy Products Support
For Internal Usage Only

1. Summary

Business Area:	Commodities
Department:	Operations
Region/Location:	Global
Owner:	Kevin Jandora
Reviewer:	
Author/Preparer:	Kevin Jandora
Procedure Frequency:	NA – This is not a procedure but a summary of the Commodities Operations Department's support of the physical businesses. This is a companion document to Firm, ISG and Commodities Functional Overview and Standard Operating documents and our internal desk procedures in Commodities Ops.
Systems Utilized:	

Redacted By
Permanent Subcommittee on Investigations

2. Objective

This document is intended to give the user a high level understanding of the business context and Operations support structure in place to support the physical products traded by the Morgan Stanley Commodities Division. In the document, the major functions performed by each of the physical support teams are described as well as a description of some of the key relationships and contractual agreements that are significant for the Operations team.

3. Detail

A. Locations

Morgan Stanley trades numerous physically-settled products out of offices in Westchester (New York), London, Calgary, and Singapore. In addition, Transmontaigne personnel trade and schedule physical oil products from their offices in Denver, Colorado while acting as agent for MSCG. (Please see below for an overview of our relationship with Transmontaigne.)

Direct Operations support personnel for these physical products are located in Westchester (New York), London and Singapore, with indirect support personnel (Cash Management, Operations Risk, Cross Product Support, etc.) located in the Firm's offices throughout the world.

B. Organization

Redacted By
Permanent Subcommittee on Investigations

Page(s)
Redacted By The
Permanent Subcommittee
on Investigations

The following section describes several of our key external business relationships that are managed by the physical support teams within Morgan Stanley Commodities Operations. These summaries are intended to highlight arrangements in which nonstandard support processes are necessary to perform key functions.

I. Our relationship with United Airlines (New York Physical Operations)

MSCG has a long-term jet fuel supply agreement with United Airlines (UAL) intended to cover the majority of United's demand for fuel at airport locations in the United States. As part of the agreement, MSCG engages in physical and financial trading associated with supplying UAL. MSCG also shares, with UAL, profits on trading and marketing activities that are directly related to United's consumption and the use of UAL-assigned infrastructure. Under the agreement MSCG owns and manages the inventories required to support deliveries to UAL and has been assigned from them, the storage and transportation agreements needed to support this business.

From an Operations perspective, under this agreement with United Airlines, trades are booked under "Term Deals" (described in prior sections) in which each individual delivery transaction is not confirmed/affirmed on an individual basis. Deliveries are via in tank stock transfers and are settled on a prepay basis, one business day prior to delivery. Most locations do not require pricing true ups as fixed price sales, with taxes and fees included in the payment, are in place. However, for certain West Coast locations, the deals are priced with a current month average, so they require a monthly true up once the trade has completed pricing.

Although the mechanics of the margining process is discussed elsewhere, it is important to note that the UAL agreement permits MSCG to margin UAL on a daily basis, taking into account both the outstanding exposure for financial and physical trades as well as the profit sharing balance that may be owed back to UAL periodically.

J. London Physical Operations Group

Effective in 2008, Morgan Stanley's Commodities Group (MSCG) executed an agreement with INEOS, the world's third-largest chemical company and a leading independent crude oil refiner in Europe. In the agreement, MSCG provides a broad range of commodity services to INEOS and supports INEOS's refinery operations in Grangemouth, Scotland and Lavera, France. Under the agreement, MSCG provides INEOS with critical supply, trading and working capital services, while procuring and owning almost all of the crude and feedstocks used as inputs to the refineries and offtaking a significant portion of the outputs of those refineries. INEOS have seconded a core team of employees to Morgan Stanley's London office to support the operation to help both companies capture and share significant commercial synergies. The parties share in profits associated with refinery optimization and certain trading activities.

Redacted By

Permanent Subcommittee on Investigations

Page(s)
Redacted By The
Permanent Subcommittee
on Investigations

K. Our relationship with Transmontaigne (New York Physical Operations)

In September, 2006, Morgan Stanley Capital Group Inc. ("MSCG") acquired 100% of the equity of TransMontaigne Inc. ("TMG"), an entity that Morgan Stanley currently consolidates for accounting purposes.

TMG's affiliates are primarily engaged in supplying physical refined petroleum products to customers and providing services related to the marketing, transportation and storage of such products. MSCG has entered into a number of "arms-length" supply and service agreements with TMG's affiliates. TMG and its affiliates maintain their own trade processing and financial systems, and, as a result, all transactions and fees relating to the supply of product and the provision of related services among MSCG and TMG's affiliates are entered into both Morgan Stanley and TMG systems.

One such key agreement is the Terminal Servicing Agreement ("TSA") between MSCG and TransMontaigne Product Services Inc., a TMG subsidiary ("TPSI"). Under the TSA, MSCG sells TPSI physical refined pertroleum products on a "just-in-time" basis so TPSI can then re-sell to the products to their customers.

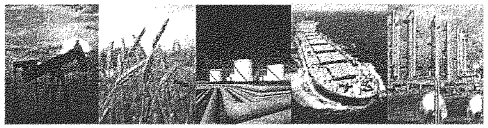
All transactions between MSCG and TPSI are entered into both TPSI's and MSCG's trade processing systems. On a daily basis, a secure file is sent to represent the cases where TPSI has sold product to customers, and in turn has bought from MSCG with the title transfer at the flange of the truck. These transactions are sent to MSCG and are automatically uploaded into the trade and settlement processing systems. NY Phys Ops is responsible for invoicing these sales to TPSI daily. In addition, Phys Ops also performs monthly terminal reconciliations on all locations where product is stored at their oil terminals to verify inventory volumes.

Also, under a series of terminal servicing agreements between MSCG and TransMontaigne Partners LP, a TMG affiliate ("TLP"), MSCG pays fees to TLP for terminaling and transportation services. These fees are recorded under the normal process as a contra-revenue on MSCG's books and also recorded on the TLP's financial statements.

TMG affiliates maintain their own books and records and on a monthly basis provide their income statement and balance sheets to Morgan Stanley to be included in the consolidated financial statements. From a consolidated perspective, all internal revenues and expenses are eliminated.

Page(s)
Redacted By The
Permanent Subcommittee
on Investigations

EXCERPT



Morgan Stanley Commodities

Business Overview

January 9, 2013

1982	Precious Metals
1984	Crude Oil
1985	Oil Products
1989	Natural Gas
1993	Power, Base Metals
2001	Coal and Freight
2004	Emissions
2005	Biofuels
2007	Agricultural Products

Morgan Stanley

BUSINESS OVERVIEW

Morgan Stanley Commodities at a Glance

Background

- Since 1982, Morgan Stanley Commodities has been trading physical and financial commodities providing intermediation for counterparties who need to transfer, transform or acquire commodity price risk
- As of 2010, MS Commodities' global financial and network of physical assets, connected 2,000+ counterparties across the full commodity complex from power and oil to metals
- Headquartered in Westchester, New York, MS Commodities has 400+ dedicated front office employees, from 30+ different nationalities covering markets 24 hours per day

Global Coverage

Key Differentiating Characteristics

- One of the world's leading physical and derivative commodity marketers
- Physically oriented strategy
- Consistently profitable, low risk platform
- Proven management team with successful track record

Key Statistics

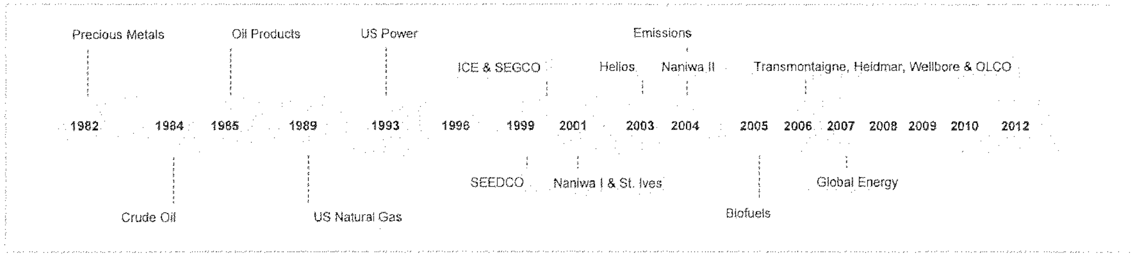
c. $25 - $30 Bn of Gross Assets

- Key product segment:
  - Oil: #1 worldwide with 32% revenues share
  - NA power and gas: #1 worldwide with 35% revenues share
  - EU power and gas: #2 worldwide with 21% revenues share
  - Growing presence in metals, agriculture and others products

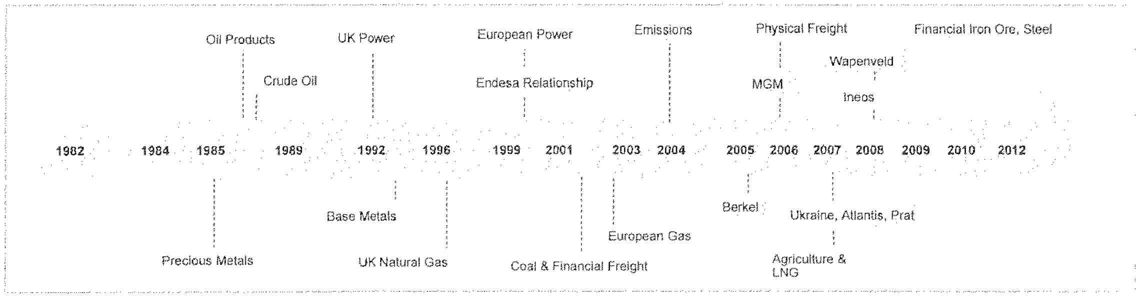
BUSINESS OVERVIEW

Commodities Timeline

Global



European



Commence Trading Activity

Key Acquisitions/Investments

Industry-leading Trading and Marketing Platform

Crude Oil, Oil Products, Wet Freight

- Worldwide presence
- ~125 million bbl/day traded (90% paper / 10% physical)
- ~100 vessels on average under time and spot charters
- ~50 million bbl of leased oil liquids storage capacity

Power

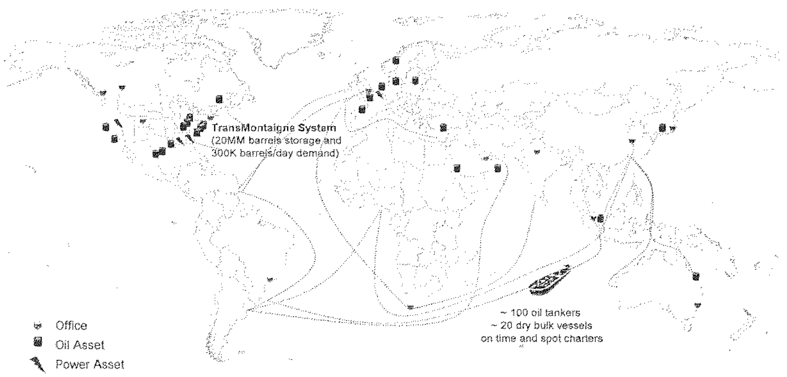
- USA, UK and Europe & Australia
- Second largest power marketer in the U.S.
- ~900 TWh / year traded
- 20% paper / 80% physical
- Management of physical assets

Natural Gas

- UK, Belgium, France, Germany, Netherlands, Canada and USA
- 90% paper in North America, 90% physical in Northwest Europe

BUSINESS OVERVIEW

Overview of Global Physical Network



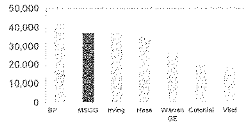
Cross-border transmission capacity:
~ 6 countries in Europe
~ Interconnection capacity of 1,200 MW

~ 100 oil tankers
~ 20 dry bulk vessels
on time and spot charters

- Office
- Oil Asset
- Power Asset
- Major MS Commodities Dry Freight Operations (Wet excluded)
- Major MS Commodities LNG Operations

Total US Gasoline Imports 2010

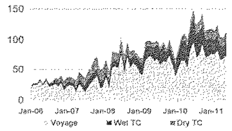
'000s bbls



Source Energy Information Administration, US Government
Includes Conventional Gasoline and Blending Components

Total Vessels Under Charter

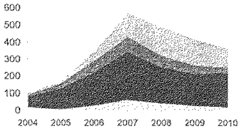
Number of Vessels



Source MS Commodities Operations

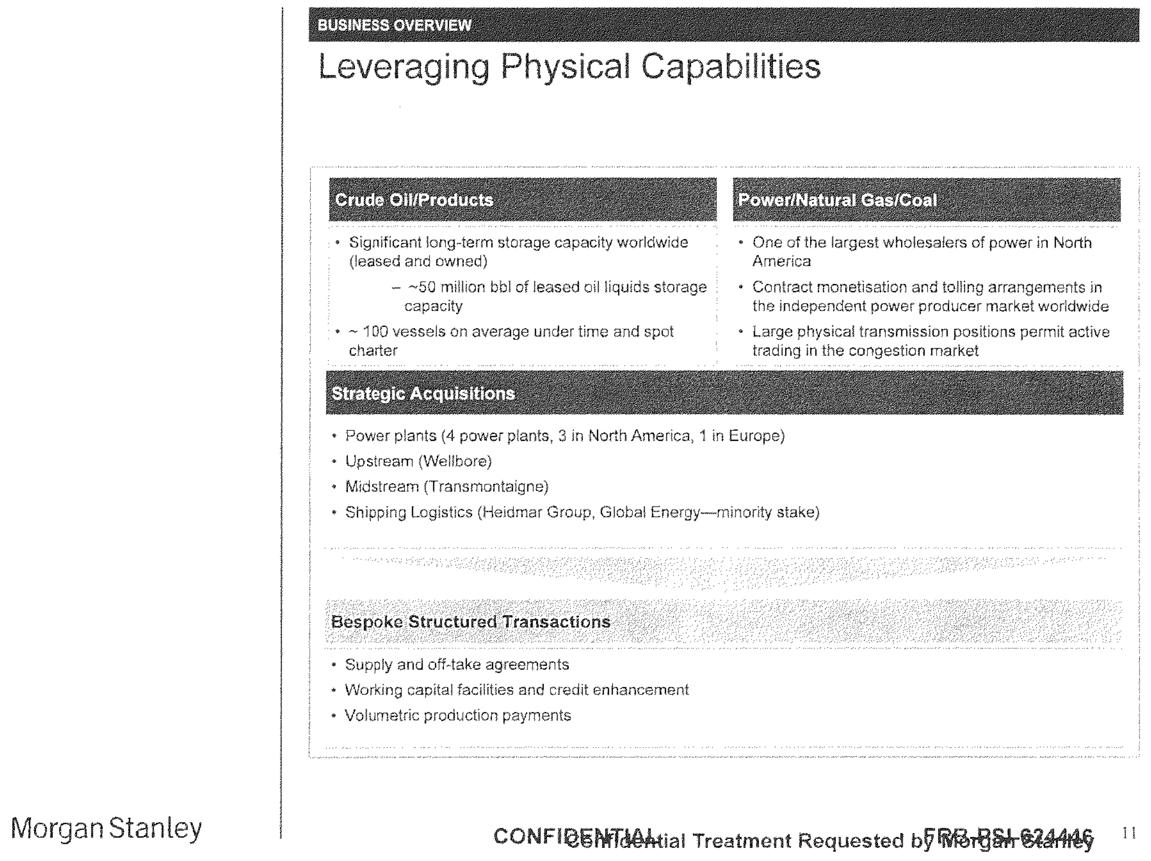
European Power Sales

Physical TWh Traded



Source MS Commodities Operations

Notes
1. Assets include both owned assets and long-term leases



BUSINESS OVERVIEW

Leveraging Physical Capabilities

Crude Oil/Products

- Significant long-term storage capacity worldwide (leased and owned)
    - ~50 million bbl of leased oil liquids storage capacity
- ~ 100 vessels on average under time and spot charter

Power/Natural Gas/Coal

- One of the largest wholesalers of power in North America
- Contract monetisation and tolling arrangements in the independent power producer market worldwide
- Large physical transmission positions permit active trading in the congestion market

Strategic Acquisitions

- Power plants (4 power plants, 3 in North America, 1 in Europe)
- Upstream (Wellbore)
- Midstream (Transmontaigne)
- Shipping Logistics (Heidmar Group, Global Energy—minority stake)

Bespoke Structured Transactions

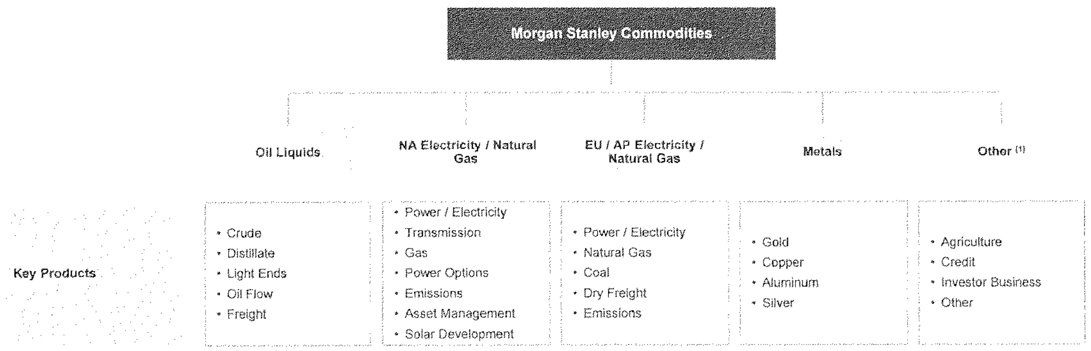
- Supply and off-take agreements
- Working capital facilities and credit enhancement
- Volumetric production payments

Morgan Stanley

BUSINESS OVERVIEW

Business Unit Segmentation

Organization by Product



Morgan Stanley Commodities

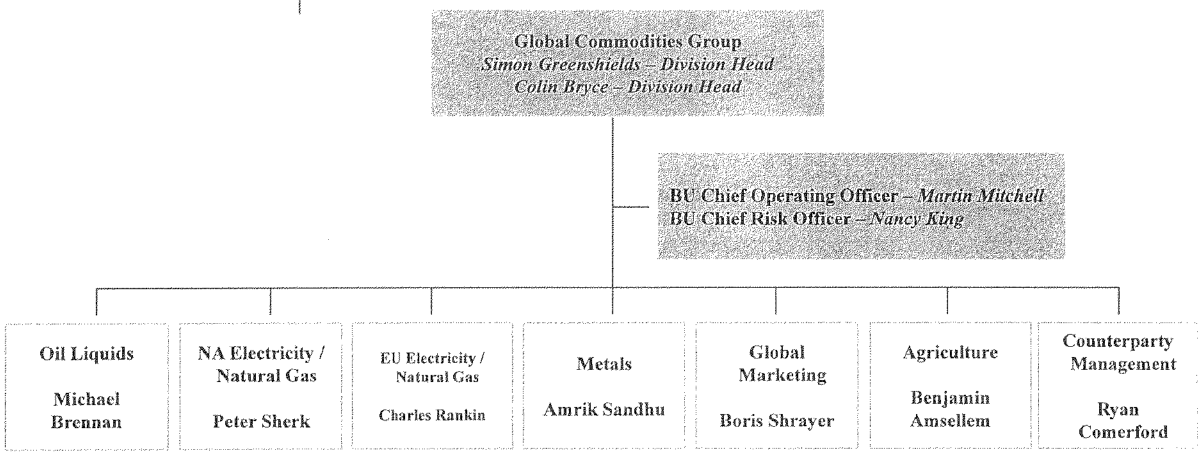
	Oil Liquids	**NA Electricity / Natural Gas**	**EU / AP Electricity / Natural Gas**	**Metals**	**Other [1]**
Key Products	• Crude • Distillate • Light Ends • Oil Flow • Freight	• Power / Electricity • Transmission • Gas • Power Options • Emissions • Asset Management • Solar Development	• Power / Electricity • Natural Gas • Coal • Dry Freight • Emissions	• Gold • Copper • Aluminum • Silver	• Agriculture • Credit • Investor Business • Other

Notes

1. Includes Credit, Investor Business, Agricultural an[illegible]

MANAGEMENT OVERSIGHT

Commodities Management Organization



Global Commodities Group
Simon Greenshields – Division Head
Colin Bryce – Division Head

BU Chief Operating Officer – *Martin Mitchell*
BU Chief Risk Officer – *Nancy King*

Oil Liquids
Michael Brennan

NA Electricity / Natural Gas
Peter Sherk

EU Electricity / Natural Gas
Charles Rankin

Metals
Amrik Sandhu

Global Marketing
Boris Shrayer

Agriculture
Benjamin Amsellem

Counterparty Management
Ryan Comerford

Notes
1. Includes Credit, Investor Business, Agricultural and [illegible]

BUSINESS LINE SEGMENTS

TransMontaigne

Functional Split

- Supply and trading activities are conducted by MSCG
- Wholesale marketing is handled by TMG
- Terminal assets are owned and operated by TLP

	MSCG	TMG Inc	TLP
Function	• Supply, Trading, Risk Mgmt • Bulk Transaction Processing	• Marketing & Wholesale Transaction Processing • Business Development	• Terminal Ownership/Operation • Pipeline Ownership/Operation
Revenue	• Bulk to Wholesale Uplift • Supply-Related Trading	• Marketing fee from MSCG	• Asset fees from MSCG • Asset fees from 3rd Parties
Costs	• Marketing fee to TMG Inc • Asset fee to TLP • 3rd Party Logistics	• SG&A (less pmt from TLP)	• Direct operating costs • SG&A pmt to TMG Inc • Debt financing

2082

450 LEXINGTON AVENUE
NEW YORK, NY 10017
212 450 4000
FAX 212 450 3800

MENLO PARK
WASHINGTON, D.C.
LONDON
PARIS
FRANKFURT
MADRID
TOKYO
BEIJING
HONG KONG

RANDALL D. GUYNN
212 450 4239
RANDALL.GUYNN@DPW.COM

March 25, 2009

Re: **Grandfathered Commodities Activities**

Scott Alvarez, Esq.
General Counsel
Board of Governors of the Federal Reserve System
20th Street and Constitution Avenue, N.W.
Washington, D.C. 20551

Dear Mr. Alvarez:

In our opinion, Section 4(o) of the Bank Holding Company Act of 1956 (the "BHC Act") permanently grandfathers from the restrictions on nonbanking activities and investments contained in Section 4(a) of the BHC Act the continuation by Morgan Stanley and any of its affiliates in any trading, selling and investing in any type of commodities or related physical properties or facilities, including any processing, extracting, storage, transport or power generation facilities, as well as any activities related thereto.

Discussion

Section 4(o) of the BHC Act provides that any company that becomes a financial holding company after November 12, 1999 "may continue to engage in, or directly or indirectly own or control shares of a company engaged in, activities related to the trading, sale, or investment in commodities and underlying physical properties," provided that the following conditions are satisfied:

- **Not BHC or Foreign Bank**. The company was not a bank holding company or foreign bank as of November 12, 1999;
- **Past Activities Conditions**. The company "lawfully was engaged, directly or indirectly, in any of such activities as of September 30, 1997, in the United States" (emphasis added);
- **Asset Limitation**. The aggregate consolidated assets of the company attributable to commodities or commodities related activities that are not otherwise permitted to be held by a financial

holding company (other than under Section 4(o) of the BHC Act) must not at any time exceed 5 percent of the company's total consolidated assets or such higher percentage that the Board of Governors of the Federal Reserve System (the "**Board**") may permit; and

- **Cross-Marketing Limits**. The company does not permit:
  - any company, the shares of which it owns or controls pursuant to Section 4(o) of the BHC Act to offer or market any product or service of an affiliated depository institution; or
  - any affiliated depository institution to offer or market any product or service of any company, the shares of which area owned or controlled by it pursuant to Section 4(o) of the BHC Act.[1]

In other words, the plain language of Section 4(o) authorizes a qualifying financial holding company to continue to engage in any activities related to trading, selling and investing in any type of commodities and related physical properties or facilities, if certain conditions are satisfied. Section 4(o) does *not* merely authorize the retention of investments in commodities or related physical properties or facilities made or held as of a certain date. Instead, it expressly extends to the ***continuation*** of any ***activities*** related to the trading, selling and investing in any type of commodities and related properties or facilities, if certain conditions are satisfied.

---

[1] The full text of Section 4(o) is set forth below:

"**Regulation of certain financial holding companies**

(o) Notwithstanding subsection (a) of this section, a company that is not a bank holding company or a foreign bank (as defined in section 1(b)(7) of the International Banking Act of 1978) and becomes a financial holding company after the date of enactment of the Gramm-Leach-Bliley Act [November 12, 1999], may continue to engage in, or directly or indirectly own or control shares of a company engaged in, activities related to the trading, sale, or investment in commodities and underlying physical properties that were not permissible for bank holding companies to conduct in the United States as of September 30, 1997, if—

(1) the holding company, or any subsidiary of the holding company, lawfully was engaged, directly or indirectly, in any of such activities as of September 30, 1997, in the United States;

(2) the attributed aggregate consolidated assets of the company held by the holding company pursuant to this subsection, and not otherwise permitted to be held by a financial holding company, are equal to not more than 5 percent of the total consolidated assets of the bank holding company, except that the Board may increase that percentage by such amounts and under such circumstances as the Board considers appropriate, consistent with the purposes of this Act; and

(3) the holding company does not permit—

(A) any company, the shares of which it owns or controls pursuant to this subsection, to offer or market any product or service of an affiliated depository institution; or

(B) any affiliated depository institution to offer or market any product or service of any company, the shares of which are owned or controlled by such holding company pursuant to this subsection."

Related Physical Properties or Facilities

Although Section 4(o) does not define the term "underlying physical properties," it is clear from both the context of those words in the statutory language and the legislative history that Congress intended for the term to be broadly construed and to include, at a minimum, owning and operating properties and facilities used to extract, process, store and transport commodities.

The term does not refer to the physical commodities underlying any contracts for such commodities. Section 4(o) expressly refers to those assets when it authorizes the continuation of any trading, sale or investment in "commodities," meaning the physical commodities underlying any commodities contracts. Thus, the term "underlying physical properties" clearly refers to something else. While the term is not defined in the statute and its specific meaning may not be clear from a dictionary reading of those words, the legislative history makes it clear that they were intended to refer to physical properties or facilities related to the trading, selling or investment in commodities, including physical properties or facilities used to extract, process, store, transport or generate commodities.

Section 4(o) was added to the BHC Act by Section 103(a) of the Gramm-Leach-Bliley Act of 1999 (the "**GLB Act**"),[2] and was based on an amendment to H.R. 1062,[3] one of the first House bills that eventually became the GLB Act.

H.R. 1062 was introduced in the House on February 25, 1995 during the 104th Congress by Representative Leach and was referred to the House Banking and Financial Services Committee (the "**House Banking Committee**").[4] It was reintroduced in the House as H.R. 10 during the 105th and 106th Congresses,[5] and formed the core of S. 900,[6] which was introduced in the Senate during the 106th Congress and became the GLB Act following a conference between the House and the Senate.[7]

---

[2] Pub. L. No. 106-102, 106th Cong., 1st Sess. (Nov. 12, 1999), 113 Stat. 1338-1481 (1999).

[3] H.R. 1062, 104th Cong., 1st Sess. (February 25, 1995).

[4] *See* H.R. 1062, 104th Cong., 1st Sess. at 1 (June 22, 1995).

[5] H.R. 10, 105th Cong., 1st Sess. (Jan. 7, 1997); H.R. 10, 106th Cong., 1st Sess. (Jan. 6, 1999).

[6] S. 900, 106th Cong., 1st Sess. (Apr. 28, 1999).

[7] *See* Conf. Rep. No. 106-434 (Nov. 2, 1999).

The language of Section 4(o) relevant to this question – namely, that certain companies are authorized to engage in "activities related to the trading, sale, or investment in commodities and underlying physical properties" as long as certain conditions were satisfied – remained unchanged throughout the legislative process.

The original version of H.R. 1062 did not contain an exemption for commodities or commodities-related activities.[8] The provision that formed the basis of Section 4(o) first appeared in the amended version of H.R. 1062 that was reported out of the House Banking Committee on May 18, 1995 and was referred to the House Commerce Committee.[9] That amended bill contained the following exemption, in relevant part:

> "(C) COMMODITIES.—
>
> (i) IN GENERAL.—An investment bank holding company predominantly engaged as of January 1, 1995, in securities activities in the United States (or any successor of such company) may engage in, or directly or indirectly own or control shares of a company engaged in, activities related to the trading, sale, or investment in commodities and underlying physical properties that were not permissible for bank holding companies to conduct in the United States as of January 1, 1995, provided such investment bank holding company, or any subsidiary of such holding company, was engaged directly, indirectly, or through any such company in any of such activities as of January 1, 1995, in the United States." (Emphasis added.)[10]

The House Banking Committee Report accompanying the amended bill described the purpose and scope of this precursor to the Commodities Exemption as follows:

> "Section 12(a)(1)(C) permits firms whose activities in the United States on January 1, 1995 were predominantly securities activities to engage fully in all commodities activities if the firm was engaged, directly or indirectly, in the United States, on January 1, 1995, in any commodity activity which was not then permissible for a bank holding company to conduct in the United States. The Committee intends that activities relating to the trading, sale or investment in commodities and underlying physical properties shall be **construed broadly** and shall **include** owning and operating properties and facilities required to extract, process, store and transport commodities." (Emphasis added.)[11]

---

[8] *See* H.R. 1062, 104th Cong., 1st Sess. (February 25, 1995).

[9] *See* H.R. 1062, 104th Cong., 1st Sess. at 1 (June 22, 1995).

[10] *Id.* at 97.

[11] H.R. Rep. No. 104-127, Part 1, at 97 (May 18, 1995).

The bill contained the identical exemption when it was reported out of the House Commerce Committee on June 22, 1995.[12] The House Commerce Committee Report also described the purpose and scope of the Commodities Exemption in identical terms.[13]

The same core language referring to "underlying physical properties" was carried over into H.R. 10, as introduced into the 105th and 106th Congresses,[14] used in the commodities exemption added to the Senate version of the bill – S. 900 – during the 106th Congress,[15] and used in the final language of the statute. We have been unable to find any legislative history suggesting a different meaning for the term "underlying physical properties."

While the ownership and operation of power generation facilities are not specifically mentioned in the legislative history, we believe that they are included within the term "underlying physical properties" because Congress stated that the term was to be "construed broadly" and was to "include" the ownership and operation of properties and facilities required for the extraction, processing, storage and transportation of commodities. By choosing the word "include," it is clear that Congress intended for the specific list of permissible underlying physical properties to be illustrative, not exhaustive of what is permitted – that is, what is permitted at a minimum. Combined with the instruction that the term "underlying physical properties" is to be construed broadly, we believe that the ownership and operation of other properties and facilities related to permissible commodities trading and investment activities, such as electrical power generation facilities, were intended by Congress to be included within the term because trading, selling and investing in electrical power is clearly a grandfathered commodities activity.

Continuation of Activities

The language and history of Section 4(o) also make it clear that any new financial holding company that satisfies the conditions of the grandfathering provision may continue any activities relating to the trading, sale or investment of any type of commodities or related physical properties or facilities that it had been directly or indirectly engaged in when it became a financial holding company. Section 4(o) does not merely grandfather certain otherwise impermissible ***investments*** that were made as of a certain date. It permanently grandfathers the continuation of certain otherwise impermissible ***activities*** after the company becomes a bank holding company.

---

[12] H.R. Rep. No. 104-127, Part 3, at 25 (June 22, 1995).

[13] *Id.* at 90.

[14] H.R. 10, 105th Cong., 1st Sess. at 112 (Jan. 7, 1997); H.R. 10, 106th Cong., 1st Sess. at 112 (Jan. 6, 1999).

[15] S. 900, 106th Cong., 1st Sess. at 142 (July 20, 1999).

Specifically, Section 4(o) authorizes a qualifying financial holding company that "becomes a financial holding company after the enactment date" of the GLB Act to continue to engage in activities related to the trading, sale and investment in commodities and underlying physical properties that were not permissible for a bank holding company on September 30, 1997 if certain conditions are satisfied. The statute thus contemplates the following sequence of events: (1) an entity conducted "any of such activities" on September 30, 1997, (2) the GLB Act is enacted (November 12, 1999), and (3) an otherwise qualifying company *subsequently* becomes a financial holding company. In this sequence of events, the otherwise qualifying financial holding company is authorized to continue to engage in the trading, sale and investment of commodities and underlying physical properties, and related activities, after becoming a financial holding company.

The legislative history is consistent with this reading of Section 4(o). The word "continue" was added to the Senate's version of the bill by Senator Gramm to make it clear that a qualifying financial holding company could continue its existing commodities activities and not be required to divest any commodities investments or discontinue any commodities activities in order to enjoy the benefits of becoming a financial holding company. Senator Gramm explained the purpose of his addition as follows:

> "The above amendment assures that a securities firm currently engaged in a broad range of commodities activities as part of its traditional investment banking activities, is not required to divest certain aspects of its business in order to participate in the new authorities granted under the Financial Services Modernization Act. This provision 'grandfathers' existing commodities activities." (Emphasis added.)[16]

The purpose and scope of the exemption were also described in the report of the Senate Banking, Housing and Urban Affairs Committee (the "**Senate Banking Committee**") on April 28, 1999.

> "This section also grandfathers commodity activities and affiliations of certain companies becoming bank holding companies after the date of enactment of the Act. Generally, these companies may continue to engage in or, directly or indirectly, own or control shares of a company engaged in activities related to the trading, sale or investment in commodities and underlying physical properties if the holding company or any subsidiary was lawfully engaged in such activities as of September 30, 1997 in the United States; and the holding company is predominantly engaged in activities financial in nature."[17]

---

[16] Amendment No. 9 by Senator Gramm (March 4, 1999), available under: http://banking.senate.gov/docs/reports/fsmod99/gramm9.htm.

[17] S. Rep. No. 106-44, at 21 (April 28, 1999). *See also* H.R. Rep. No. 106-74, Part 3, at 151 (June 15, 1999); Conf. Rep. No. 106-434, at H11293 (daily ed. November 4, 1999).

This explanation makes it clear that the Senate Banking Committee intended for certain new bank holding companies to be able to "continue" their commodities and commodities-related activities after becoming financial holding companies if the conditions set forth in the statute were satisfied.

Application to Morgan Stanley

Morgan Stanley was not a bank holding company or foreign bank as of November 12, 1999, but became a bank and financial holding company on September 21, 2008, long after the date on which the GLB Act was enacted. Morgan Stanley has advised us that it engaged in at least some impermissible commodities activities as of September 30, 1997. On the basis of the foregoing, we believe that Morgan Stanley would qualify for the exemption set forth in Section 4(o) of the BHC Act.

Conclusion

In conclusion, we believe that Section 4(o) permanently grandfathers from the nonbanking investment and activities restrictions contained in Section 4(a) of the BHC Act the continuation by Morgan Stanley and any of its direct and indirect subsidiaries of any trading, selling and investing in any type of commodities or related physical properties or facilities, including any processing, extracting, storage, transport or power generation facilities, as well as any activities related thereto.

****

If you have any questions, please feel free to call or send me email (212-450-4239; guynn@dpw.com).

Very truly yours,

Randall D. Guynn

Randall D. Guynn

Agriculture	Cocoa [Metric Tons]	Coffee [Pounds]	Cotton [Pounds]	Corn [Bushels]	Lumber [Board feet]	Rough Rice [Metric Tons]	Soybeans [Bushels]	Sugar [Pounds]	Wheat [Bushels]
b) Dec 31st 2008 - unit	-	-	-	-	-	-	-	-	-
b) Dec 31st 2008 - $MV (mm)	-	-	-	-	-	-	-	-	-
b) Dec 31st 2009 - unit	-	-	-	-	-	-	-	-	-
b) Dec 31st 2009 - $MV (mm)	-	-	-	-	-	-	-	-	-
b) Dec 31st 2010 - unit	-	-	-	-	-	-	-	-	-
b) Dec 31st 2010 - $MV (mm)	-	-	-	-	-	-	-	-	-
b) Dec 31st 2011 - unit	-	-	-	-	-	-	-	-	-
b) Dec 31st 2011 - $MV (mm)	-	-	-	-	-	-	-	-	-
b) Sept 30th 2012 - unit	-	-	-	-	-	-	-	-	-
b) Sept 30th 2012 - $MV (mm)	-	-	-	-	-	-	-	-	-
c) 2008 High - unit	-	-	-	-	-	-	-	-	-
c) 2008 High - $MV (mm)	-	-	-	-	-	-	-	-	-
c) 2008 High - date (mm/yy)	-	-	-	-	-	-	-	-	-
c) 2008 Low - unit	-	-	-	-	-	-	-	-	-
c) 2008 Low - $MV (mm)	-	-	-	-	-	-	-	-	-
c) 2008 Low - date (mm/yy)	-	-	-	-	-	-	-	-	-
c) 2009 High - unit	-	-	-	-	-	-	-	-	-
c) 2009 High - $MV (mm)	-	-	-	-	-	-	-	-	-
c) 2009 High - date (mm/yy)	-	-	-	-	-	-	-	-	-
c) 2009 Low - unit	-	-	-	-	-	-	-	-	-
c) 2009 Low - $MV (mm)	-	-	-	-	-	-	-	-	-
c) 2009 Low - date (mm/yy)	-	-	-	-	-	-	-	-	-
c) 2010 High - unit	-	-	-	-	-	-	-	-	-
c) 2010 High - $MV (mm)	-	-	-	-	-	-	-	-	-
c) 2010 High - date (mm/yy)	-	-	-	-	-	-	-	-	-
c) 2010 Low - unit	-	-	-	-	-	-	-	-	-
c) 2010 Low - $MV (mm)	-	-	-	-	-	-	-	-	-
c) 2010 Low - date (mm/yy)	-	-	-	-	-	-	-	-	-
c) 2011 High - unit	-	-	-	-	-	-	-	-	-
c) 2011 High - $MV (mm)	-	-	-	-	-	-	-	-	-
c) 2011 High - date (mm/yy)	-	-	-	-	-	-	-	-	-
c) 2011 Low - unit	-	-	-	-	-	-	-	-	-
c) 2011 Low - $MV (mm)	-	-	-	-	-	-	-	-	-
c) 2011 Low - date (mm/yy)	-	-	-	-	-	-	-	-	-
c) Sept 2012 YTD High - unit	-	-	-	-	-	-	-	-	-
c) Sept 2012 YTD High - $MV (mm)	-	-	-	-	-	-	-	-	-
c) Sept 2012 YTD High - date (mm/yy)	-	-	-	-	-	-	-	-	-
c) Sept 2012 YTD Low - unit	-	-	-	-	-	-	-	-	-
c) Sept 2012 YTD Low - $MV (mm)	-	-	-	-	-	-	-	-	-
c) Sept 2012 YTD Low - date (mm/yy)	-	-	-	-	-	-	-	-	-

Industrial and Precious Metals	Aluminum Warrants[1] [Metric Tons]	Aluminum Readily Deliverable[2] [Metric Tons]	Copper [Metric Tons]	Gold [Troy Ounce]	Iron Ore [Metric Tons]	Lead [Metric Tons]	Nickel [Metric Tons]	Palladium [Troy Ounce]	Platinum [Troy Ounce]	Silver [Troy Ounce]	Tin [Metric Tons]	Zinc [Metric Tons]
b) Dec 31st 2008 - unit	1,604	-	-	1,027,962	-	-	-	479,194	86,176	11,905,292	-	-
b) Dec 31st 2008 - $MV (mm)	2	-	-	894	-	-	-	88	77	128	-	-
b) Dec 31st 2009 - unit	44,643	-	-	2,237,383	-	-	204	439,184	205,500	14,312,421	210	-
b) Dec 31st 2009 - $MV (mm)	98	-	-	2,433	-	-	4	173	300	250	4	-
b) Dec 31st 2010 - unit	35,762	59,601	270,579	86,594	-	5,780	-	670,736	108,115	6,850,657	-	-
b) Dec 31st 2010 - $MV (mm)	88	153	2,635	122	-	15	-	535	190	210	-	-
b) Dec 31st 2011 - unit	35,186	195,976	37,445	283,152	-	-	3,119	283,345	413,931	2,588,595	-	21,745
b) Dec 31st 2011 - $MV (mm)	69	429	288	434	-	-	57	179	560	68	-	41
b) Sept 30th 2012 - unit	99,410	211,227	79,403	1,440,728	-	5,012	600	230,446	43,205	13,774,774	-	33,351
b) Sept 30th 2012 - $MV (mm)	225	488	661	2,559	-	12	11	148	72	477	-	70
c) 2008 High - unit	3,908	-	-	1,027,962	-	72,359	981	479,194	739,039	68,377,141	1,010	5,378
c) 2008 High - $MV (mm)	11	-	-	894	-	161	21	88	1,525	1,145	21	15
c) 2008 High - date (mm/yy)	Aug-08	-	Jan-08	Dec-08	-	Jul-08	Jun-08	Dec-08	Jun-08	Jan-08	Mar-08	Feb-08
c) 2008 Low - unit	1,604	-	-	12,307	-	-	-	75,464	33,784	1,882,830	-	-
c) 2008 Low - $MV (mm)	2	-	-	10	-	-	-	15	50	26	-	-
c) 2008 Low - date (mm/yy)	Dec-08	-	Jan-08	Nov-08	-	Mar-08	Mar-08	Oct-08	Aug-08	Aug-08	Feb-08	Jan-08
c) 2009 High - unit	44,643	-	170	2,646,164	-	38,495	2,192	555,744	238,499	22,005,292	340	2,812
c) 2009 High - $MV (mm)	98	-	1	2,635	-	59	31	108	307	291	4	6
c) 2009 High - date (mm/yy)	Dec-09	-	Nov-09	Sep-09	-	May-09	May-09	Feb-09	Sep-09	Feb-09	Feb-09	Oct-09
c) 2009 Low - unit	1,604	-	-	89,155	-	-	-	154,574	38,362	1,383,421	-	-
c) 2009 Low - $MV (mm)	2	-	-	79	-	-	-	45	45	23	-	-
c) 2009 Low - date (mm/yy)	Feb-09	-	Jan-09	Apr-09	-	Aug-09	Jul-09	Aug-09	May-09	Sep-09	Jan-09	Jan-09
c) 2010 High - unit	35,762	59,601	270,579	2,711,211	-	22,111	6,675	934,867	463,815	35,292,919	325	24,263
c) 2010 High - $MV (mm)	88	153	2,635	3,651	-	46	152	516	769	846	6	48
c) 2010 High - date (mm/yy)	Dec-10	Dec-10	Dec-10	Oct-10	-	Jul-10	Oct-10	Apr-10	Nov-10	Oct-10	Mar-10	Jul-10
c) 2010 Low - unit	-	-	-	53,624	-	-	-	412,512	108,115	1,388,339	-	-
c) 2010 Low - $MV (mm)	-	-	-	63	-	-	-	201	190	24	-	-
c) 2010 Low - date (mm/yy)	Feb-10	Feb-10	Feb-10	Jul-10	-	Apr-10	Feb-10	Jul-10	Dec-10	Mar-10	Jan-10	Jan-10
c) 2011 High - unit	182,704	165,835	94,492	2,633,947	-	31,958	3,874	860,279	732,760	20,924,514	1,025	21,745
c) 2011 High - $MV (mm)	439	425	933	4,047	-	85	90	668	1,305	809	29	41
c) 2011 High - date (mm/yy)	Aug-11	Aug-11	Feb-11	May-11	-	Jun-11	Jun-11	Apr-11	Jan-11	May-11	Jul-11	Dec-11
c) 2011 Low - unit	10,261	88,552	26,026	99,695	-	-	-	283,345	198,700	1,361,579	-	201
c) 2011 Low - $MV (mm)	27	248	209	162	-	-	-	179	367	43	-	0
c) 2011 Low - date (mm/yy)	May-11	May-11	Oct-11	Sep-11	-	Oct-11	Jan-11	Dec-11	Aug-11	Nov-11	Jan-11	Apr-11
c) Sept 2012 YTD High - unit	530,912	247,976	79,403	1,440,728	-	6,922	5,178	262,025	526,059	13,774,774	595	33,351
c) Sept 2012 YTD High - $MV (mm)	1,099	554	661	2,559	-	15	103	189	908	477	12	70
c) Sept 2012 YTD High - date (mm/yy)	Apr-12	Apr-12	Sep-12	Sep-12	-	Apr-12	Feb-12	Feb-12	Feb-12	Sep-12	May-12	Sep-12
c) Sept 2012 YTD Low - unit	95,822	180,924	19,948	35,821	-	-	-	25,130	24,918	572,742	-	776
c) Sept 2012 YTD Low - $MV (mm)	206	404	171	59	-	-	-	15	26	18	-	1
c) Sept 2012 YTD Low - date (mm/yy)	Mar-12	Mar-12	Apr-12	Apr-12	-	Jan-12	Jan-12	Jul-12	Jul-12	Apr-12	Jan-12	Aug-12

Footnotes

1) Includes both warrants and cancelled warrants where related inventory is not deliverable within 30 days

2) Readily deliverable within 30 days

Energy

	Coal [Metric Tons]	Crude Oil WTI [Barrels]	Crude Oil Brent [Barrels]	Crude Oil Dubai [Barrels]	Crude Oil[3] Other [Barrels]	Electricity [Megawatt Hours]	Heating Oil [Barrels]	Gasoline (RBOB) [Barrels]	Jet Kerosene [Barrels]	Nat. Gas [Million BTUs]
b) Dec 31st 2008 - unit	318,679	170	-	-	21,715	-	-	-	2,417,108	38,641,573
b) Dec 31st 2008 - $MV (mm)	28	0	-	-	1	-	-	-	148	180
b) Dec 31st 2009 - unit	2,067,106	-	-	-	453,427	-	25,001	-	2,249,415	37,648,149
b) Dec 31st 2009 - $MV (mm)	152	-	-	-	33	-	2	-	195	216
b) Dec 31st 2010 - unit	912,739	-	-	-	935,294	-	-	-	2,090,041	83,827,924
b) Dec 31st 2010 - $MV (mm)	100	-	-	-	64	-	-	-	220	362
b) Dec 31st 2011 - unit	1,140,910	-	-	-	2,167,806	-	244,988	-	1,986,487	106,519,439
b) Dec 31st 2011 - $MV (mm)	90	-	-	-	223	-	30	-	241	316
b) Sept 30th 2012 - unit	2,618,048	101,070	-	-	4,290,087	-	-	-	147,152	67,307,935
b) Sept 30th 2012 - $MV (mm)	200	10	-	-	470	-	-	-	20	197
c) 2008 High - unit	428,418	315,903	-	-	1,605,540	-	28,000	-	2,417,108	73,702,596
c) 2008 High - $MV (mm)	62	17	-	-	76	-	3	-	148	553
c) 2008 High - date (mm/yy)	Jul-08	Nov-08	-	-	Nov-08	-	Jan-08	-	Dec-08	Jul-08
c) 2008 Low - unit	222,284	170	-	-	21,715	-	-	-	994,490	38,641,573
c) 2008 Low - $MV (mm)	23	0	-	-	1	-	-	-	137	180
c) 2008 Low - date (mm/yy)	Oct-08	Dec-08	-	-	Dec-08	-	-	-	Apr-08	Dec-08
c) 2009 High - unit	2,293,690	170	-	-	629,781	-	483,291	494,751	3,534,358	37,648,149
c) 2009 High - $MV (mm)	166	0	-	-	36	-	41	26	278	216
c) 2009 High - date (mm/yy)	Nov-09	May-09	-	-	May-09	-	Nov-09	Jan-09	Jul-09	Dec-09
c) 2009 Low - unit	221,505	170	-	-	26,300	-	-	-	2,066,334	18,017,386
c) 2009 Low - $MV (mm)	18	0	-	-	1	-	-	-	123	42
c) 2009 Low - date (mm/yy)	Mar-09	Jan-09	-	-	Jan-09	-	-	-	Jan-09	Mar-09
c) 2010 High - unit	2,200,062	-	-	-	985,345	-	246,843	-	3,365,012	90,337,080
c) 2010 High - $MV (mm)	162	-	-	-	67	-	24	-	321	382
c) 2010High - date (mm/yy)	Jan-10	-	-	-	May-10	-	Apr-10	-	Sep-10	Nov-10
c) 2010 Low - unit	712,080	-	-	-	332,427	-	-	-	1,554,325	26,177,454
c) 2010 Low - $MV (mm)	80	-	-	-	21	-	-	-	152	121
c) 2010 Low - date (mm/yy)	Dec-10	-	-	-	Jan-10	-	-	-	Apr-10	Feb-10
c) 2011 High - unit	1,533,517	1,532	-	-	2,320,084	-	244,988	-	2,515,512	109,221,384
c) 2011 High - $MV (mm)	129	0	-	-	220	-	32	-	333	371
c) 2011 High - date (mm/yy)	May-11	Jun-11	-	-	Jun-11	-	Jul-11	-	Mar-11	Nov-11
c) 2011 Low - unit	717,383	-	-	-	751,789	-	-	-	1,823,765	52,206,555
c) 2011 Low - $MV (mm)	64	-	-	-	60	-	-	-	232	230
c) 2011 Low - date (mm/yy)	Mar-11	-	-	-	Feb-11	-	-	-	Feb-11	Mar-11
c) Sept 2012 YTD High - unit	2,731,952	275,569	-	-	4,462,574	-	23,444	-	1,949,327	79,518,455
c) Sept 2012 YTD High - $MV (mm)	204	31	-	-	459	-	3	-	266	205
c) Sept 2012 YTD High - date (mm/yy)	Sep-12	May-12	-	-	May-12	-	Mar-12	-	Mar-12	Jan-12
c) Sept 2012 YTD Low - unit	1,083,188	46,115	-	-	2,320,892	-	-	-	147,152	64,408,444
c) Sept 2012 YTD Low - $MV (mm)	75	4	-	-	224	-	-	-	20	187
c) Sept 2012 YTD Low - date (mm/yy)	Feb-12	Jan-12	-	-	Jan-12	-	-	-	Sep-12	Jul-12

Footnotes

3) Primarily relates to client financing trades

PSI Questionnaire, Question 6 - Goldman Sachs, 4.30.13

a) Agriculture

Cocoa [Metric Tons]	Coffee [Pounds]	Cotton [Pounds]	Corn [Bushels]	Lumber [Board feet]	Rough Rice [Metric Tons]	Soybeans [Bushels]	Sugar [Pounds]	Wheat [Bushels]
N/A								

a) Industrial and Precious Metals

	Aluminum [Metric Tons]	Copper [Metric Tons]	Gold [Troy Ounce]	Iron Ore [Metric Tons]	Lead [Metric Tons]	Nickel [Metric Tons]	Palladium [Troy Ounce]	Platinum [Troy Ounce]	Silver [Troy Ounce]	Tin [Metric Tons]	Zinc [Metric Tons]
Buy volume 2008	495,570	56,253	111,735,811	-	169,225	42,531	3,214,164	8,121,287	668,885,097	4,440	45,997
Sell volume 2008	(495,570)	(56,253)	(113,294,978)	-	(174,384)	(45,529)	(2,835,155)	(8,795,107)	(716,432,158)	(4,610)	(45,997)
Buy volume 2009	402,855	90,659	219,298,579	-	1,360,500	961,381	3,249,690	2,821,006	586,397,588	4,801	210,001
Sell volume 2009	(359,713)	(90,659)	(218,088,775)	-	(1,360,500)	(961,178)	(3,289,700)	(2,701,682)	(583,990,700)	(4,591)	(210,001)
Buy volume 2010	925,788	955,491	82,565,801	-	505,581	52,495	3,896,608	2,395,205	300,760,082	5,440	204,215
Sell volume 2010	(854,229)	(693,291)	(84,716,452)	-	(494,179)	(52,699)	(3,666,979)	(2,492,601)	(308,221,847)	(5,650)	(201,856)
Buy volume 2011	2,470,509	917,759	121,627,528	-	333,668	80,100	3,277,113	4,060,363	821,765,833	12,155	271,415
Sell volume 2011	(2,354,507)	(1,148,870)	(121,420,971)	-	(338,918)	(76,981)	(3,664,502)	(3,754,547)	(826,027,894)	(12,155)	(250,960)
Buy volume Sept 2012	2,297,878	417,350	64,270,220	-	157,738	72,517	2,012,611	2,812,275	453,218,397	5,475	181,486
Sell volume Sept 2012	(2,306,435)	(372,747)	(63,112,644)	-	(152,726)	(73,387)	(2,063,680)	(3,183,001)	(442,057,359)	(5,475)	(167,704)

a) Energy

	Coal [Metric Tons]	Crude Oil [Barrels]	Electricity [Megawatt Hours]	Heating Oil [Barrels]	Gasoline (RBOB) [Barrels]	Jet Kerosene [Barrels]	Nat. Gas [Million BTUs]
Buy volume 2008	2,032,906	142,524,780	-	50,005	-	26,492,559	368,696,810
Sell volume 2008	(298,059)	(142,504,036)	-	(53,000)	-	(25,899,585)	(387,879,944)
Buy volume 2009	7,941,631	32,969,714	-	562,872	800,427	28,454,489	332,963,293
Sell volume 2009	(4,947,239)	(32,537,320)	-	(537,732)	(800,427)	(28,207,736)	(322,038,272)
Buy volume 2010	14,993,246	40,580,183	-	246,702	-	31,593,770	785,423,724
Sell volume 2010	(15,744,290)	(40,062,301)	-	(272,309)	-	(31,439,262)	(740,345,222)
Buy volume 2011	16,323,762	82,231,184	-	244,988	-	32,050,251	1,254,664,299
Sell volume 2011	(17,919,474)	(81,650,438)	-	-	-	(31,877,216)	(1,219,673,548)
Buy volume Sept 2012	9,732,197	84,014,600	-	3,003	-	19,353,814	1,073,061,436
Sell volume Sept 2012	(10,671,768)	(81,475,006)	-	(242,544)	-	(21,059,603)	(1,103,589,570)

PSI Questionnaire, Question 6 - Goldman Sachs, 4.30.13

b) Agriculture	Cocoa [Metric Tons]	Coffee [Pounds]	Cotton [Pounds]	Corn [Bushels]	Lumber [Board feet]	Rough Rice [Metric Tons]	Soybeans [Bushels]	Sugar [Pounds]	Wheat [Bushels]
	N/A								

b) Industrial and Precious Metals	Aluminum [Metric Tons]	Copper [Metric Tons]	Gold [Troy Ounce]	Iron Ore [Metric Tons]	Lead [Metric Tons]	Nickel [Metric Tons]	Palladium [Troy Ounce]	Platinum [Troy Ounce]	Silver [Troy Ounce]	Tin [Metric Tons]	Zinc [Metric Tons]
Storage volume 2008	1,802	-	469,423	-	7,445	241	170,333	211,807	11,473,121	314	448
Transport volume 2008	-	-	-	-	-	-	-	-	-	-	-
Storage volume 2009	6,118	14	1,262,317	-	5,077	360	338,295	117,577	10,018,762	71	429
Transport volume 2009	-	-	-	-	-	-	-	-	-	-	-
Storage volume 2010	1,539,484	219,750	1,355,556	-	78,704	982	650,012	263,067	17,156,792	103	395,167
Transport volume 2010	8,178	-	-	-	-	-	-	-	-	-	-
Storage volume 2011	1,804,932	261,171	959,035	-	96,650	1,556	552,810	411,812	8,471,344	98	358,222
Transport volume 2011	315,644	15,524	-	-	-	-	-	-	-	-	5,630
Storage volume Sept 2012	1,992,807	211,659	408,927	-	82,029	2,006	145,151	203,850	6,262,566	78	215,368
Transport volume Sept 2012	295,094	64,786	-	-	-	-	-	-	-	-	306

b) Energy	Coal [Metric Tons]	Crude Oil [Barrels]	Electricity [Megawatt Hours]	Heating Oil [Barrels]	Gasoline (RBOB) [Barrels]	Jet Kerosene [Barrels]	Nat. Gas [Million BTUs]
Storage volume 2008	212,225	1,380,194	-	2,333	-	1,577,059	60,865,427
Transport volume 2008	2,032,905	94,380,995	-	-	-	23,998,430	31,695,614
Storage volume 2009	961,600	374,488	-	101,841	41,386	2,720,702	24,154,384
Transport volume 2009	3,889,185	7,615,017	-	-	-	26,879,661	11,962,333
Storage volume 2010	1,267,318	760,928	-	122,111	-	2,411,904	50,479,374
Transport volume 2010	5,709,139	10,263,594	-	-	-	26,711,601	228,471,339
Storage volume 2011	610,369	1,614,756	-	163,325	-	2,054,902	76,852,443
Transport volume 2011	8,861,240	53,426,834	-	-	-	24,453,436	484,060,084
Storage volume Sept 2012	1,031,389	3,712,034	-	7,815	-	1,275,794	69,103,423
Transport volume Sept 2012	6,574,435	61,590,295	-	-	-	13,548,905	379,386,313

PSI Questionnaire, Question 6 - Goldman Sachs, 4.30.13

c) Agriculture

Cocoa [Metric Tons]	Coffee [Pounds]	Cotton [Pounds]	Corn [Bushels]	Lumber [Board feet]	Rough Rice [Metric Tons]	Soybeans [Bushels]	Sugar [Pounds]	Wheat [Bushels]
				N/A				

c) Industrial and Precious Metals

Aluminum [Metric Tons]	Copper [Metric Tons]	Gold [Troy Ounce]	Iron Ore [Metric Tons]	Lead [Metric Tons]	Nickel [Metric Tons]	Palladium [Troy Ounce]	Platinum [Troy Ounce]	Silver [Troy Ounce]	Tin [Metric Tons]	Zinc [Metric Tons]
					N/A					

c) Energy

	Coal [Metric Tons]	Crude Oil [Barrels]	Electricity [Megawatt Hours]	Heating Oil [Barrels]	Gasoline (RBOB) [Barrels]	Jet Kerosene [Barrels]	Nat. Gas [Million BTUs]
Processing volume 2008	-	-	-	-	-	-	-
Production volume 2008	-	-	-	-	-	-	-
Processing volume 2009	-	-	-	-	-	-	-
Production volume 2009	-	-	-	-	-	-	-
Processing volume 2010	-	-	-	-	-	-	-
Production volume 2010	1,129,654	-	-	-	-	-	-
Processing volume 2011	-	-	-	-	-	-	-
Production volume 2011	2,929,019	-	-	-	-	-	-
Processing volume Sept 2012	-	-	-	-	-	-	-
Production volume Sept 2012	2,685,152	-	-	-	-	-	-

Goldman Sachs

MITSI Holdings LLC

Board of Directors Meeting
March 24th, 2014

Goldman Sachs

Board Meeting Agenda

Time	Item
8.00 – 8.30 (NY Time)	**Intro / Company Administration** ■ Board Composition
8.30 – 9.30 (NY Time)	**Business Review** ■ CEO Business and Market Update ■ Operations Summary (incl. HSE) ■ Legal Update
9.30 – 10.00 (NY Time)	**Financial Review** ■ Recent Financial Performance ■ 2013 / 2014 Dividend
10.00 – 10.30 (NY Time)	**Federation Areas** ■ HR: Mid Level Employee Retention ■ Compliance: Annual Information Barrier Audit
10.30 – 11.00 (NY Time)	**Any Other Business**

Goldman Sachs

I. Company Administration

— = Redacted by the Permanent Subcommittee on Investigations

Goldman Sachs

Open Task Tracker

No additional tasks from last board meeting in December 2013.

No.	Issue Date	Description	Responsibility	Due Date	Open/ Closed	Comments
			Open Items			
18.	Jun 13	Control Committee	[redacted]	[redacted]	[redacted]	[redacted]
			Recently Closed Items			
13.	Oct 12	Balance Sheet	[redacted]	[redacted]	[redacted]	[redacted]
14.	Oct 12	Market Summary	[redacted]	[redacted]	[redacted]	[redacted]
15.	Dec 12	PWC Chinese Wall Audit	Ingmar Grebien	n/a	Closed	Update board on progress of PWC Chinese Wall audit.
16.	Mar 13	HSE Statistics	[redacted]	[redacted]	[redacted]	[redacted]
17.	Jun 13	Example HSE Report	[redacted]	[redacted]	[redacted]	[redacted]

Goldman Sachs

II. Business Review

▬ = Redacted by the Permanent Subcommittee on Investigations

Metro's Current Inventory Level

As of End Feburary 2014

Metro Stocks @ 28-Feb-14

	Location	Aluminum	Alloy	NASAAC	Copper	Lead	Nickel	Zinc	Steel	Total	Mkt Share
Asia	Singapore	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
	Busan	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
	Gwangyang	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
	Incheon	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
	Port Klang	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
Asia Total		6,975	60		2,175				65	9,275	1%
EMEA	Rotterdam	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
	Trieste	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
	Hamburg	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
EMEA Total		4,938				112	387			5,437	0%
USA	Detroit	1,510,575		71,060		1,500	402	91,800	11,895	1,687,232	98%
	New Orleans	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
	Chicago	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
	Mobile	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
	St. Louis	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
	Toledo	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
USA Total		1,573,600		71,060	325	1,500	2,328	178,525	12,870	1,840,208	67%
Grand Total		1,585,513	60	71,060	2,500	1,612	2,715	178,525	12,935	1,854,920	27%
Off-Warrant		34,850								34,850	

Page(s)
Redacted By The
Permanent Subcommittee
on Investigations

▬ = Redacted by the Permanent Subcommittee on Investigations

Goldman Sachs

Metro's Market Share

As of End Feb 2014

LME Inventory Level

LME Stocks @ 27-Feb-14

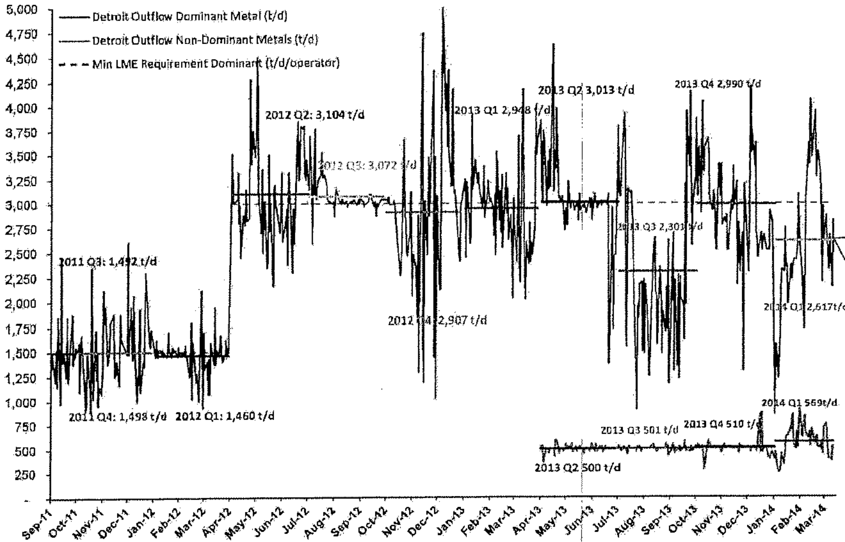
Region	Location	Aluminum	Alloy	NASAAC	Copper	Lead	Nickel	Tin	Zinc	Steel	Total
Asia	[redacted]										
Asia Total		571,100	12,660		46,700	75,525	143,052	5,825	27,625	1,235	883,722
EMEA	[redacted]										
EMEA Total		2,893,075	42,120		63,550	124,125	122,982	25	93,200		3,339,077
USA	[redacted]										
USA Total		1,847,125		77,540	165,975	2,175	4,140	110	640,900	1,040	2,739,005
Grand Total		5,311,300	54,780	77,540	276,225	201,825	270,174	5,960	761,725	2,275	8,961,804

Metro Market Share (% of Total LME Inventory)

Metro Market Share @ 28-Feb-14

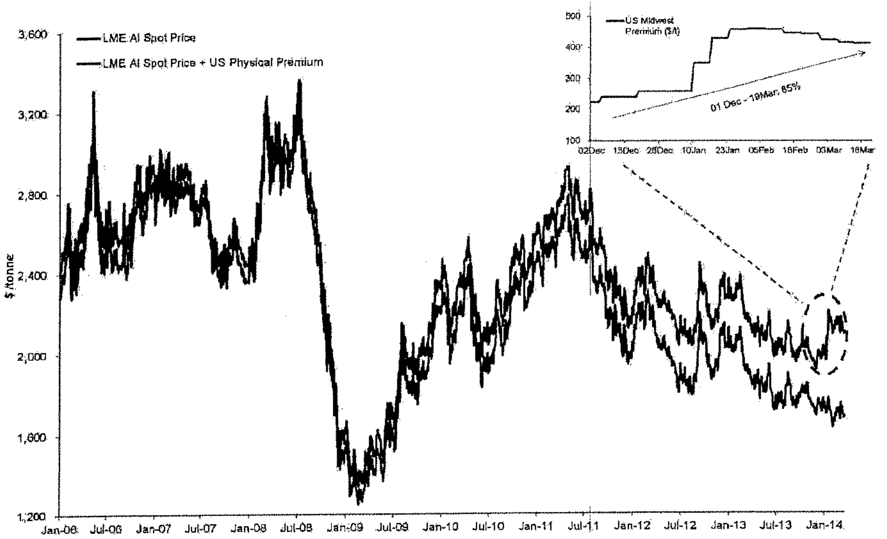
Region	Location	Aluminum	Alloy	NASAAC	Copper	Lead	Nickel	Tin	Zinc	Steel	Total
	[redacted]										
Asia Total		1%	0%		5%					17%	1%
	[redacted]										
EMEA Total		0%				0%	0%				0%
	[redacted]										
USA Total		85%		92%	0%	69%	56%		28%	96%	67%
Grand Total		30%	0%	92%	1%	1%	1%		23%	90%	27%

Detroit Outbound Rates



Due to bad weather and scarcity of rail cars, customers have not been able to ship out at scheduled rates. Metro loading out rail cars in addition to normal outbound

LME Aluminium Spot Price + US Physical Premium



Business Review 9

Page(s)
Redacted By The
Permanent Subcommittee
on Investigations

Goldman Sachs

Metro’s Current Deal Pipeline

Deal Pipeline As of End Feb 2014

	Contract	Balance	Warranted	Not Issued
Aluminium	207,456	34,470	166,468	6,518
Aluminium Alloy				
Copper				
Nickel				
Steel				
Lead				
NASAAC				
Zinc				
Ferro Titanium				
Total				

Redacted By
Permanent Subcommittee on Investigations

Commentary

- Metro currently has another 62kt outstanding in its deal pipeline
- Majority of remaining aluminium pipeline in Detroit relates to one off-warrant deal.
- Metro will not be above inbound threshold for the prelimilary period as determined in the Linked Load-In Load-Out Rule

III. Financial Review

Goldman Sachs

Metro's Annual Financial Performance

Based on Management Financials / Forecast

	(US$, million)		2011 A	2012 A	2013 A
	Inventory Balance	Start End	2,413kt 2,385kt	2,385kt 2,029kt	2,029kt 1,881kt
Revenue Items	Rent Revenues		$ 356m	$ 349m	$ 310m
	Rent Discounts	−	$ 59m	$ 43m	$ 20m
	FOT & Other Revenues	+	$ 52m	$ 59m*	$ 46m
	Total Revenues	=	**$ 349m**	**$ 365m**	**$ 337m**
Cost Items	Freight Incentives	−	$ 76m	$89 m*	$ 100m
	OPEX / G&A	−	$ 75m	$ 66m	$ 64m
	Total Cost	=	**$ 153m**	**$ 155m**	**$ 164m**
	EBITDA	=	**$ 196m**	**$ 210m**	**$ 173m**

Redacted By
Permanent Subcommittee on Investigations

---

* *FOT and Freight Incentives have been restated for 2012 due to accounting changes.*

Page(s)
Redacted By The
Permanent Subcommittee
on Investigations

IV. Federation Areas

Page(s)
Redacted By The Permanent Subcommittee on Investigations

MITSI Holdings LLC

Board of Directors Meeting
June 19th, 2013

Goldman Sachs

Board Meeting Agenda

Time	Item
8.30 – 9.00 (NY Time)	**Intro / Company Administration** ■ Commercial Decisions
9.00 – 10.00 (NY Time)	**Business Review** ■ CEO Business & Market Update ■ Operations Summary (incl. HSE) ■ LME Update
10.00 – 10.30 (NY Time)	**Financial Review** ■ Recent Financial Performance ■ FOT & Freight Incentive Accounting Policy ■ 2012 Draft Audit Accounts
10.30 – 11.00 (NY Time)	**Federation Areas** ■ Compliance: Update ■ Customs: FTZ Discussion Update ■ HR: Mid Level Employee Bonus, Staff turnover
11.00 – 12.00 (NY Time)	**Any other business**

I. Company Administration

▬ = Redacted by the Permanent Subcommittee on Investigations

Open Task Tracker

No.	Issue Date	Description	Responsibility	Due Date	Open/ Closed	Comments
Open Items						
16	Mar 13	HSE Statistics	[redacted]	[redacted]	[redacted]	[redacted]
Recently Closed Items						
13.	Oct 12	Balance Sheet	[redacted]	[redacted]	[redacted]	[redacted]
14.	Oct 12	Market Summary	[redacted]	[redacted]	[redacted]	[redacted]
15.	Dec 12	PWC Chinese Wall Audit	Ingmar Grebien	n/a	Closed	Update board on progress of PWC Chinese Wall audit.

Goldman Sachs

II. Business Review

▬ = Redacted by the Permanent Subcommittee on Investigations

Goldman Sachs

Metro's Current Inventory Level
As of End May 2013

Metro Stocks @ 31-May-13

	Location	Aluminum	Alloy	NASAAC	Copper	Lead	Nickel	Zinc	Steel	Total	Mkt Share
Asia	Singapore	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
	Johor	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
	Busan	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
	Gwangyang	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
	Incheon	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
	Port Klang	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
Asia Total		7,025	60		18,550				65	**25,700**	2%
EMEA	Rotterdam	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
	Trieste	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
	Hamburg	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
EMEA Total		17,163				112	387			**17,662**	0%
USA	Detroit	1,275,400		70,280		31,475	402	119,050	14,950	**1,511,557**	97%
	New Orleans	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
	Chicago	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
	Mobile	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
	St. Louis	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
	Toledo	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
	Long Beach	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
	Los Angeles	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
USA Total		1,372,575		98,000	20,650	31,775	1,410	119,625	18,590	**1,662,625**	98%
Grand Total		**1,396,763**	**60**	**98,000**	**39,200**	**31,887**	**1,797**	**119,625**	**18,655**	**1,705,987**	**23%**
Off-Warrant		191,350		1,660	550			4,025		**197,585**	

Page(s)
Redacted By The
Permanent Subcommittee
on Investigations

▬ = Redacted by the Permanent
Subcommittee on Investigations

Metro's Market Share

As of End May 2013

LME Inventory Level

LME Stocks @ 30-May-13

Region	Location	Aluminum	Alloy	NASAAC	Copper	Lead	Nickel	Tin	Zinc	Steel	Total
Asia	[redacted]										
Asia Total		661,775	17,580		268,275	67,250	69,268	9,460	50,975	390	1,135,043
EMEA	[redacted]										
EMEA Total		2,616,375	51,400		147,525	116,500	109,128	40	256,125	55,705	3,556,898
USA	[redacted]										
USA Total		1,723,850		116,820	202,850	31,725	1,410	110	777,725	20,605	2,876,795
Grand Total		5,202,000	68,980	116,820	608,450	215,475	179,798	9,610	1,086,825	76,700	7,566,736

Metro Market Share (% of Total LME Inventory)

Metro Market Share @ 31-May-13

Region	Location	Aluminum	Alloy	NASAAC	Copper	Lead	Nickel	Tin	Zinc	Steel	Total
[redacted]											
Asia Total		1%	0%		7%					17%	2%
[redacted]											
EMEA Total		1%				0%	0%				0%
[redacted]											
USA Total		80%		84%	10%	94%	100%		16%	80%	58%
Grand Total		27%	4%	84%	6%	15%	1%		11%	24%	23%

Goldman Sachs

Current Deal Pipeline

Deal Pipeline As Of End May 2013

mt	Contract	Balance	Delivered
Aluminium	653,321	400,143	253,177
Aluminium Alloy	-	-	-
Copper	87,200	43,951	43,249
Nickel	-	-	-
Steel	-	-	-
Lead	-	-	-
NASAAC	52,520	28,554	23,966
Zinc	112,100	103,778	8,322
Total	**905,141**	**576,427**	**328,714**

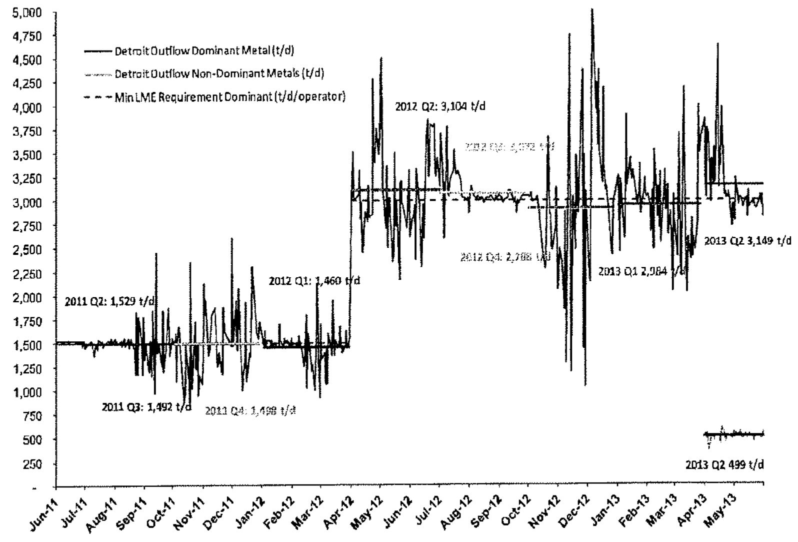
Commentary

- Metro currently has another 576kt booked in its deal pipeline with aluminium representing the largest metal
- Detroit continues to be the key inbound location for Metro with another 431kt of metal expected

Goldman Sachs

Detroit Outbound Rates & Rule Change

tonnes / day



Page(s)
Redacted By The
Permanent Subcommittee
on Investigations

III. Financial Review

Metro's Annual Financial Performance

Based on Management Financials / Forecast

	(US$, million)							Mgmt Projection		Actuals
				2009 A	2010 A	2011 A	2012 A	2013	2013 YTD	2013 YTD
	Inventory Balance	Start End		885kt 2,169kt	2,169kt 2,413kt	2,413kt 2,385kt	2,385kt 2,029kt	2,008kt 1,889kt	2,008kt 1,810kt	2,029kt 1,749kt
Revenue Items	**Rent Revenues**			$ 220m	$ 329m	$ 356m	$ 349m	$ 317m	$ 108m	$ 103m
	Rent Discounts		−	$ 31m	$ 64m	$ 59m	$ 43m	$ 19m	$ 6m	$ 7m
	FOT & Other Revenues		+	$ 22m	$ 25m	$ 52m	$ 62m	$ 45m	$ 14m	$ 14m
	Total Revenues		=	**$ 211m**	**$ 290m**	**$ 349m**	**$ 388m**	**$ 343m**	**$ 116m**	**$ 110m**
Cost Items	**Freight Incentives**		−	$ 71m	$ 65m	$ 78m	$112 m	$ 136m	$ 42m	$ 41m
	OPEX / G&A		−	$ 72m	$ 69m	$ 73m	$ 66m	$ 62m	$ 21m	$ 17m
	Total Cost		=	**$ 143m**	**$ 134m**	**$ 151m**	**$ 178m**	**$ 198m**	**$ 63m**	**$ 58m**
	EBITDA		=	**$ 67m**	**$ 156m**	**$ 198m**	**$ 211m**	**$ 145m**	**$ 53m**	**$ 52m**

Page(s)
Redacted By The
Permanent Subcommittee
on Investigations

Accounting Policy Changes

- As mentioned in the last board meeting Metro in cooperation with GS Controllers and the PWC Audit Team has reviewed its accounting policies for (i) FOT as well as for (ii) Freight Incentives in light of an increasing outbound queue
- Despite initial indication from auditors that current policies continue to be supportable, further discussions have lead to suggested changes and more complicated accounting procedures

FOT Accounting Policy

Current:

- FOT is 100% recognised at cancellation of warrants

Updated:

- FOT is amortized over estimated time period between cancellation and actual outflow, ie estimated queue. Queue period is determined on a location basis looking at last 2 year historical data + current estimated queue and reviewed every 6 months.
- New policy for Detroit implies an amortization period of 12 months for 2012, and a period of 18 months for 2013

Financial Impact:

- Restatement will have an impact of -$23.0m on 2012 EBITDA and -$0.2m on 2013 EBITDA (YTD)

Freight Incentive Accounting Policy

Current:

- Freight Incentives are amortized over 12 months across all locations

Updated:

- Freight incentives are amortized over average storage period by location. Storage period is determined on the basis of last 2 year historical data + current estimated queue and reviewed every 6 months.
- New policy for Detroit implies an amortization period of 20 months for 2012, and a period of 24 months for 2013

Financial Impact:

- Restatement will have an impact of +$22.7m on 2012 EBITDA and +$12.4m on 2013 EBITDA (YTD)

Goldman Sachs

IV. Federation Areas

Page(s)
Redacted By The
Permanent Subcommittee
on Investigations

MITSI Holdings LLC

Board of Directors Meeting
Thursday, 4th Oct 2012

Board Meeting Agenda
Thursday, 4th October 2012

Detroit, Townsend Hotel

Time	Item
8.00 – 8.30 (NY Time)	**Intro / Company Administration** ■ Commercial Decisions ■ Open Task Tracker
8.30 – 10.00 (NY Time)	**Business Review** ■ Regular CEO Update & Market Developments ■ Competitive Landscape ■ Regulatory Update ■ Recent Media Reports & PR Strategy ■ Strategic Discussion
10.00 – 11.00 (NY Time)	**Financial Review** ■ Financial Performance
11.00 – 11.30 (NY Time)	**Federation Areas** ■ Internal Audit: Work Program, Timing ■ External Audit: Review of quotes, Update LME Audit ■ Compliance: Update ■ Tax: Update Italy Tax Audit ■ FTZ: Update Customs Discussions
11.30 – 12.00 (NY Time)	**Any other business**

I. Company Administration

▬ = Redacted by the Permanent Subcommittee on Investigations

Goldman Sachs

Open Task Tracker

No.	Issue Date	Description	Responsibility	Due Date	Open/ Closed	Comments
Open Items						
9.	Mar 12	Board Charter	[redacted]	[redacted]	[redacted]	[redacted]
11.	Jun 12	External Auditor Appointment	Metro Management	Oct 12	Open	Prepare detailed quotes of external auditors of Chinese Wall procdures.
Recently Closed Items						
7.	Mar 12	Press Strategy Around 2012 Changes	Jacques Gabillon / Ingmar Grebien	Apr 12	Closed	GS Media Relations was brought into the loop regarding the regulatory- and price changes taking effect in April 2012. Implementation of new outbound rule as well as increase in rent and FOT charges did not attract any significant media attention.
8.	Mar 12	Report back to Board on 3,000t/d Rule and Dividend	Ingmar Grebien	Apr 12	Closed	Board was updated on implementation of 3,000t/d outbound rule and exact dividend amount communicated on 28th April 2012
10.	Jun 12	Internal Audit	Ingmar Grebien	Dec 12	Closed	Engage Internal Audit to review Chinese Wall procedures and 3,000t/d rule implementation
12.	Jun 12	Premium vs Freight Incentive Level	Ingmar Grebien	Oct 12	Closed	Inform board about current level of freight incentive paid vs physical premia

II. Business Review

——— = Redacted by the Permanent Subcommittee on Investigations

Goldman Sachs

Metro's Current Inventory Level

As of End August 2012

	Location	Aluminum	Alloy	NASAAC	Copper	Lead	Nickel	Zinc	Steel	Total	Mkt Share
Asia	Singapore	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
	Johor	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
	Busan	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
	Gwangyang	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
	Incheon	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
	Port Klang	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
Asia Total		10,850	3,120		12,275	50,950		23,050	65	100,310	8%
EMEA	Rotterdam	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
	Antwerp	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
	Trieste	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
	Hamburg	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
	Hull	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
EMEA Total		52,213	100		170	6,250	432	6,550		65,715	3%
USA	Detroit	1,272,100		55,480		46,750	402	109,500	11,440	**1,495,672**	97%
	New Orleans	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
	Chicago	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
	Mobile	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
	St. Louis	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
	Toledo	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
	Long Beach	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
USA Total		1,420,625		114,060	91,500	64,325	402	204,525	16,250	1,911,687	61%
Grand Total		**1,483,688**	**3,220**	**114,060**	**103,945**	**121,525**	**834**	**234,125**	**16,315**	**2,077,712**	**31%**
Off-Warrant		167,450	63,870		7,600			100	2,990	**242,010**	

Page(s)
Redacted By The
Permanent Subcommittee
on Investigations

▬ = Redacted by the Permanent Subcommittee on Investigations

Goldman Sachs

Metro's Market Share

As of End August 2012

LME Inventory Level

Region	Location	Aluminum	Alloy	NASAAC	Copper	Lead	Nickel	Tin	Zinc	Steel	Total
Asia	[redacted]										
	Yokohama										
Asia Total		700,475	33,040		99,250	193,575	25,590	11,390	126,300	845	1,199,485
EMEA	[redacted]										
EMEA Total		2,207,775	51,600		15,275	47,200	93,792	80	32,800	3,250	2,451,772
USA	Detroit	1,314,150		65,480		46,760	402		108,500	11,766	1,538,047
	[redacted]										
USA Total		1,967,700		149,300	110,750	67,100	402	650	792,175	24,050	3,311,827
Grand Total		4,484,958	84,640	149,300	225,275	307,875	119,784	11,820	951,075	28,145	6,782,564

Redacted By

Permanent Subcommittee on Investigations

Page(s) Redacted By The Permanent Subcommittee on Investigations

Goldman Sachs

Current Deal Pipeline

Deal Pipeline As Of End August 2012

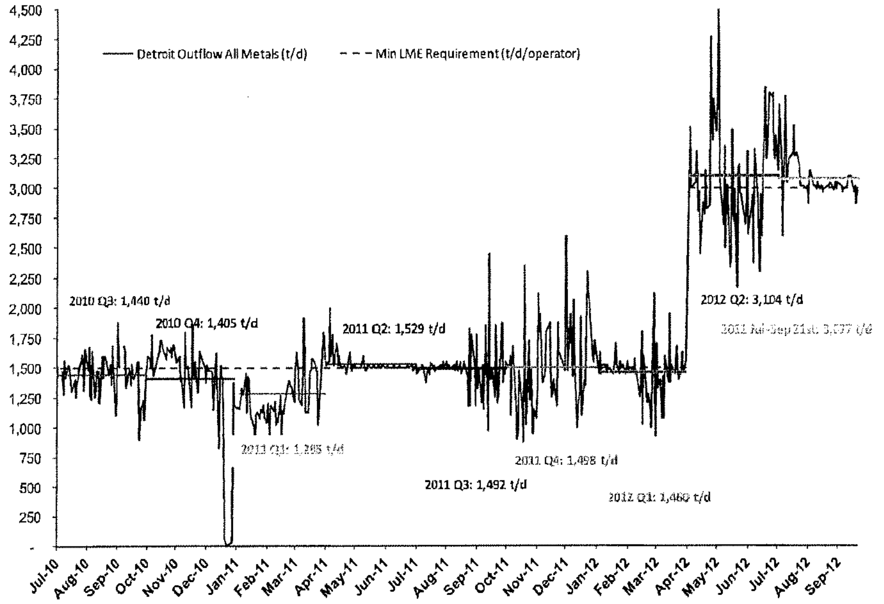
mt	Contract	Balance	Delivered
Aluminium	613,287	228,023	385,264
Aluminium Alloy	425	10	415
Copper	223,534	32,315	191,219
Nickel	0	0	0
Steel	10,000	6,042	3,958
Lead	14,526	3,355	11,171
NASAAC	2,000	1,539	461
Zinc	62,425	5,273	57,152
Ferro Titanium	193	6	187
Total	**926,390**	**276,563**	**649,827**

Commentary

- Metro currently has another 277kt booked in its deal pipeline with aluminium representing the largest metal followed by Copper
- Detroit continues to be the key inbound location fors Metro

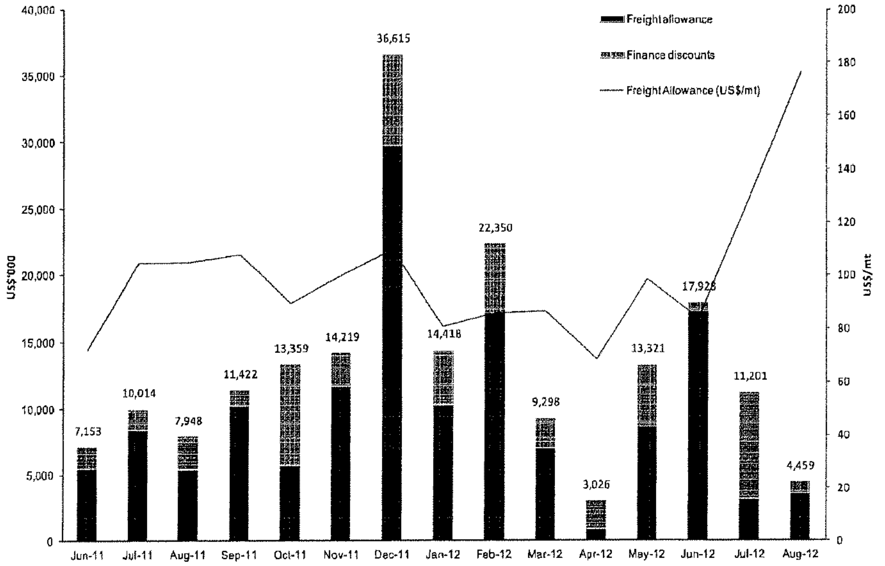
Goldman Sachs

Implementation of 3,000t/d Outbound Rule



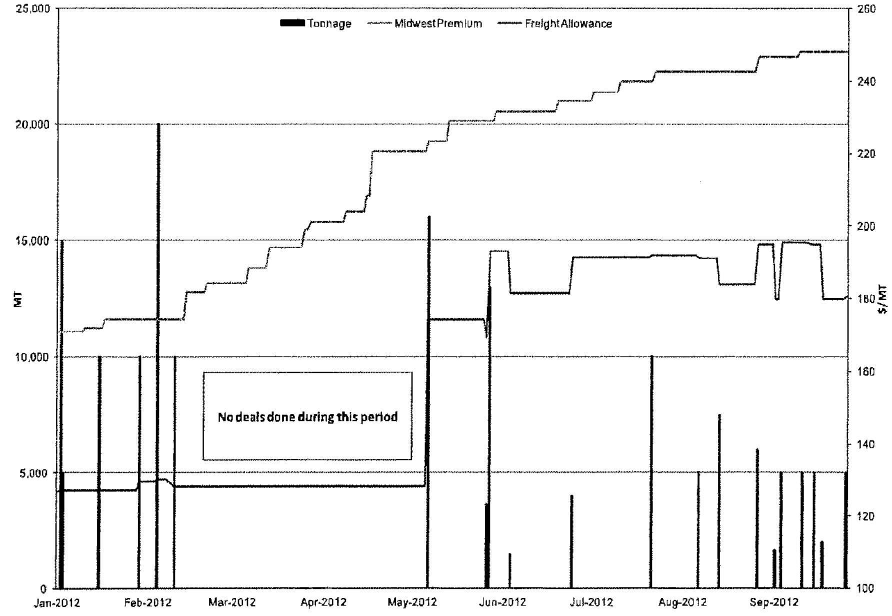
Goldman Sachs

Commitment Summary



Goldman Sachs

Aluminium Freight Incentives vs. Physical Premium



Page(s)
Redacted By The
Permanent Subcommittee
on Investigations

Goldman Sachs

III. Financial Review

Goldman Sachs

Metro's Key Business Metrics

Evolution of Key Business Metrics

	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11	Jan-12	Feb-12	Mar-12	Apr-12	May-12	Jun-12	Jul-12	Aug-12
Inventory Levels ('000 t)													
Actual Inventory													
Inflow	80	82	83	75	284	45	108	46	74	89	101	63	38
Outflow	(193)	(131)	(113)	(123)	(79)	(71)	(79)	(104)	(127)	(110)	(90)	(143)	(149)
End Balance	2,327	2,278	2,248	2,200	2,385	2,360	2,389	2,331	2,279	2,258	2,270	2,189	2,078
Model Inventory													
Inflow	36	36	36	36	36	35	35	34	34	33	33	32	32
Outflow	(43)	(43)	(43)	(43)	(43)	(62)	(61)	(61)	(60)	(60)	(59)	(59)	(58)
End Balance	2,245	2,238	2,230	2,223	2,216	2,190	2,163	2,137	2,110	2,084	2,058	2,031	2,005
Key Business Drivers													
Cash Freight Incentive ($ '000)													
Actual	7,199	7,671	7,727	7,341	20,899	3,014	12,594	3,685	6,435	8,566	8,438	18,846	4,508
Model	2,098	2,091	2,084	2,076	2,069	1,905	1,881	1,857	1,832	1,808	1,783	1,759	1,734
Cash Freight Incentive ($/ton)													
Actual	89.26	83.26	93.18	97.75	79.40	66.34	116.59	79.68	86.50	85.78	83.23	314.05	120.21
Model	57.85	57.85	57.86	57.86	57.86	54.14	54.14	54.15	54.15	54.15	54.16	54.16	54.16
Financing Deals													
Tonnage ('000 t)	163	192	254	413	486	512	516	507	501	514	513	333	263
Rent Discount/Share (% of Total LME Rent)													
Actual	5.4%	7.2%	9.1%	13.7%	15.2%	16.1%	16.1%	18.9%	15.1%	22.5%	13.9%	9.1%	4.8%
Model	15.0%	15.0%	15.0%	15.0%	15.0%	15.0%	15.0%	15.0%	15.0%	15.0%	15.0%	15.0%	15.0%
Key Financials ('000 US$)													
Total Revenues													
Actual	33,718	26,681	29,874	24,762	26,992	32,789	31,428	25,820	28,233	31,108	38,225	35,371	31,244
Model	26,391	25,537	26,230	25,381	26,069	26,294	24,494	25,599	24,669	25,105	24,093	24,510	24,213
Gross Profit													
Actual	21,275	18,117	16,923	11,637	12,525	19,962	18,367	12,252	14,417	18,427	23,045	20,934	17,575
Model	19,095	18,344	19,023	18,370	19,059	19,036	17,527	18,615	17,775	18,226	17,400	17,811	17,806
EBITDA													
Actual	20,536	15,334	16,159	10,098	11,592	19,152	17,508	11,097	13,350	17,528	22,153	19,996	16,649
Model	18,187	17,527	18,205	17,552	18,233	18,172	16,663	17,752	16,911	17,363	16,536	16,947	16,742

Note: Plan / Model numbers are based on Transaction Model and GCPI Scenario.

Commentary

Inventory Balances

- Aug metal levels are down nearly 13% from Dec-11 primarily due to the high outbound activity in Detroit and zinc as well as lead tightness over the summer.
- Detroit outflows account for nearly 54% of total outflows since Apr 1st, 2012 and that concentration is expected to increase over the coming months as the Detroit queue currently stretches through Aug 2013.

Key Metrics

- Average freight allowance/mt are likely to increase further as warranting activity is concentrated into Detroit and inbound metal is subject to recent higher freight allowances (currently around $190/mt).
- High levels of cancellations and the related FOT revenue over the summer have improved Metro's near term earnings and cash flow.

Goldman Sachs

Metro's Annual Financial Performance

Based on Management Financials / Forecast

	(US$, million)		2009	2010	2011	2012	
						Mgnt Proj.	YTD (August)
	Inventory Balance	Start End	885kt 2,169kt	2,169kt 2,413kt	2,413kt 2,385kt	2,385kt 2,282kt	2,385kt 2,078kt
Revenue Items	**Rent Revenues**		$ 220m	$ 329m	$ 356m	$ 357m	$ 238m
	Rent Discounts	−	$ 31m	$ 64m	$ 59m	$ 60m	$ 34m
	FOT & Other Revenues	+	$ 22m	$ 25m	$ 52m	$ 56m	$ 49m
	Total Revenues	=	**$ 211m**	**$ 290m**	**$ 349m**	**$ 353m**	**$ 252m**
Cost Items	**Freight Incentives**	−	$ 71m	$ 65m	$ 78m	$ 105m	$ 69m
	OPEX / G&A	−	$ 72m	$ 69m	$ 73m	$ 73m	$ 46m
	Total Cost	=	**$ 143m**	**$ 134m**	**$ 151m**	**$ 178m**	**$ 115m**
	EBITDA	=	**$ 67m**	**$ 156m**	**$ 198m**	**$ 175m**	**$ 137m**

Goldman Sachs

IV. Federation Areas

Internal Audit: Scope & Timeline 2012

Topic	Main Review Coverage Areas	Previous Work
Outbound Scheduling and Delivery	■ Assessment of controls in place for the new outbound regime (focused on Detroit) — Collection of pre-requisite documentation – Timeliness of processing documentation – Filing/retention of documents received — Scheduling of outbound deliveries – Review of appointment tracking, warehouse loading processes and ability to evidence that no preference made to individual clients – Procedures for scheduling large outbound deliveries	■ Compliance Review of Outbound Tonnage rules in Q3 2010 ■ Internal Audit Review of scheduling procedures in Q3 2011
Information Barriers	■ In advance of the third party review, Internal Audit will perform a review of the information barrier controls in place — Data dissemination and storage — Maintenance of up-to-date list of persons with access to Metro confidential information — Physical separation of Metro/GCPI personnel and GS Trading — Review of Compliance weekly email surveillance controls in place	■ Internal Audit Review of old Information Barrier Policy in Q3 2010 and in Q3 2011

Timeline:

26 October 2012: Fieldwork Completion
23 November 2012: Report Issuance
Ongoing: Report on Information Barriers

Goldman Sachs

External Audit: Selection of Audit Firm

Information Barrier Audit

Company	Background	Suggested Process	Price Quote	Relevant Experience
PwC	■ Worlds largest accounting firm	■ Will perform a "readiness assessment" to determine compliance. ■ After readiness assessment is complete and Metro addresses any compliance gaps identified, they will be able to provide a proposal on the attestation project.	Readiness assessment billings will be based on actual hours incurred: ■ Partner - $651 ■ Senior Manager - $383 ■ Manager - $290 ■ Senior Associate - $211 ■ Associate and other staff - $147 ■ Other: E.g Out-of-pocket expenses, VAT	■ PwC seem reluctant to engage, however we maintain an ongoing discussion with them
Crowe Clark Whitehill	■ Member of Crowe Horwath International ■ One of the nine largest UK accounting firms.	■ **Group level review:** to address higher level issues including policies, training, designated individuals, compliance officer, etc. ■ **Technology review:** to address controls regard data storage controls and physical controls and back-up procedures, etc. ■ **Local review:** to address local office staff understanding and compliance with policies.	■ £59,000 ($95,580) plus VAT. ■ Fixed fee quote includes travel costs	■ Currently the CIB auditor for five other warehouse companies and have already completed initial fieldwork at most of their clients' locations. ■ Based on market information warehouse companies using CCW include Pacorini, NEMS, GKE and CWT. ■ Site visits will be led by a partner and performed by team members who are familiar with LME requirements and have participated on CIB audits at other warehouses.
BDO	■ Fifth largest accounting firm in the world	■ Gap analysis of current control environment (sounds similar to PWC readiness assessment) to determine compliance and issue a preliminary report. ■ Final procedures and issuance of ISAE report.	■ Fee quote is £45,000 ($72,900) plus VAT and reasonable disbursements, segregated as follows: — Gap analysis £10,000 ($16,200) — Initial effectiveness report £15,000 ($24,300) — Final effectiveness report £20,000 ($32,400) — Expected recurring fees after the first year £20,000 ($32,400)	■ Proposal claims firm has extensive experience with ISAE 3000 (required standards in LME notice) compliance and reporting projects — Unclear if they are engaged with other LME warehouses for this project

External Audit: Update Annual LME Audit

- Metro very successfully passed the annual LME audit for Detroit and Toledo. Other locations will be audited over the coming months.
- Stock audited to date – 59,795 warrants equaling 1,486,792MT made up of 2,074,633 units/bundles located in 27 warehouses and two compounds
- PwC had six audit teams made up of one PwC employee and one Metro employee
- Audit took place during a period of shipping 3000mt/day and receiving in excess of 3000mt/day
- All warrants and all respective units/bundles were verified against LMEsword without any issues
- Auditors also checked all buildings, 5,594,632 sf, for security and building condition which resulted in the only two issues identified in the audit (floor issues including cracks in one small area and holes in another small area of a warehouse)

Compliance: Update

Compliance Summary 2012 Ytd

- New Information Barrier policy rolled out July 2012
- Training on Information Barrier Policy
- Asset Co Confi Room
- E-mail Surveillance
- Gifts and Entertainments
- Warehouse Visits

Future Control Enhancements

- Selling at a discount' monitoring

Page(s)
Redacted By The
Permanent Subcommittee
on Investigations

Goldman Sachs

MITSI Holdings LLC

Board of Directors Meeting
Tuesday, 26th June 2012

Goldman Sachs

Board Meeting Agenda

Tuesday, 26th June 2012

New York, 200 West

Time	Item
8.00 – 8.30 (NY Time)	**Intro / Company Administration** ■ Commercial Decisions ■ Open Task Tracker
8.30 – 10.00 (NY Time)	**Business Review** ■ Regular CEO Update ■ Implementation of New Outbound Rule ■ LME Sale Process ■ Regulatory Changes ■ Strategic Discussion: Vollers
10.00 – 11.00 (NY Time)	**Financial Review** ■ Financial Performance ■ Audited Financials 2011 (& LME Submission)
11.00 – 11.30 (NY Time)	**Federation Areas** ■ Tax: Update Italy Tax Audit ■ Compliance: Various ■ Internal Audit: Update Action Items
11.30 – 12.00 (NY Time)	**Any other business**

Goldman Sachs

I. Company Administration

Goldman Sachs

Open Task Tracker

No.	Issue Date	Description	Responsibility	Due Date	Open/ Closed	Comments
Open Items						
9.	Mar 12	Board Charter	Redacted By The Permanent Subcommittee on Investigations			
Recently Closed Items						
1.	Sept 10 / Sept 11	Internal Audit Tasks	Ian Campbell / Ingmar Grebien	Various	Closed	Monitor implementation of internal audit tasks arising from two audits and update board on status.
6.	Jan 12	Board Evaluation	Redacted By The Permanent Subcommittee on Investigations			
7.	Mar 12	Press Strategy Around 2012 Changes	Jacques Gabillon / Ingmar Grebien	Apr 12	Closed	GS Media Relations was brought into the loop regarding the regulatory- and price changes taking effect in April 2012. Implementation of new outbound rule as well as increase in rent and FOT charges did not attract any significant media attention.
8.	Mar 12	Report back to Board on 3,000t/d Rule and Dividend	Ingmar Grebien	Apr 12	Closed	Board was updated on implementation of 3,000t/d outbound rule and exact dividend amount communicated on 28th April 2012

II. Business Review

Metro's Current Inventory Level

As of End May 2012

	Location	Aluminum	Alloy	NASAAC	Copper	Lead	Nickel	Zinc	Steel	Total	Mkt Share
Asia	Singapore										
	Johor										
	Busan										
	Gwangyang				Redacted by the Permanent Subcommittee on Investigations						
	Incheon										
	Port Klang										
Asia Total		10,900	3,920		6,225	55,225		93,500	260	170,030	13%
EMEA	Rotterdam										
	Antwerp				Redacted by the Permanent Subcommittee on Investigations						
	Trieste										
	Hamburg										
EMEA Total		52,213	100			6,675	498	6,550		66,036	3%
USA	Detroit	1,382,800		55,840		45,250		97,125	11,440	1,592,455	98%
	New Orleans										
	Chicago										
	Mobile				Redacted by the Permanent Subcommittee on Investigations						
	St. Louis										
	Toledo										
	Long Beach										
USA Total		1,536,400		114,860	110,675	64,600		173,050	22,620	2,022,205	62%
Grand Total		**1,599,513**	**4,020**	**114,860**	**116,900**	**126,500**	**498**	**273,100**	**22,880**	**2,258,271**	**33%**
Off-Warrant		126,350	120		3,700	500		16,025		**146,695**	

Page(s) Redacted By The Permanent Subcommittee on Investigations

Goldman Sachs

Metro's Market Share

As of End May 2012

Redacted By
Permanent Subcommittee on Investigations

Current LME Inventory Level

Region	Location	Aluminum	Alloy	NASAAC	Copper	Lead	Nickel	Tin	Zinc	Steel	Total
Asia											
	Redacted by the Permanent Subcommittee on Investigations										
Asia Total		852,475	47,840		70,700	180,850	15,100	12,690	151,275	645	1,341,383
EMEA											
	Redacted by the Permanent Subcommittee on Investigations										
EMEA Total		1,840,075	64,060		10,675	89,526	82,710	85	33,000	13,250	2,230,298
USA	Detroit	1,414,250		55,680		45,250			97,125	11,765	1,624,270
	Redacted by the Permanent Subcommittee on Investigations										
USA Total		2,124,350	[illegible]	158,460	143,500	88,000		310	754,975	24,050	3,271,645
Grand Total		4,417,200	112,500	156,460	230,875	348,175	107,826	13,095	939,250	25,145	6,843,526

Page(s)
Redacted By The
Permanent Subcommittee
on Investigations

Goldman Sachs

Current Deal Pipeline

Deal Pipeline As Of End May 2012

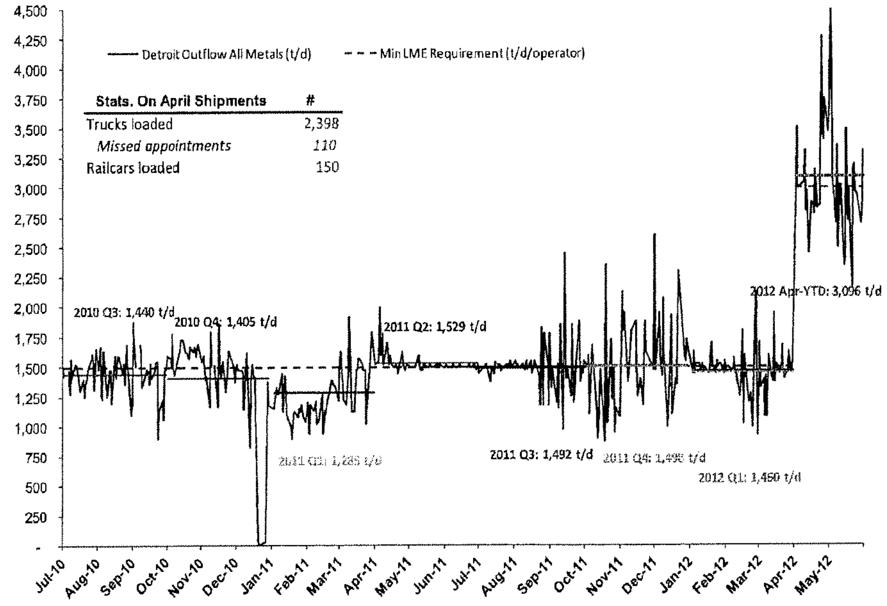
mt	Contract	Balance	Delivered
Aluminium	840,156	393,094	447,062
Aluminium Alloy	425	10	415
Copper	181,253	14,287	166,966
Nickel	0	0	0
Steel	40,580	5,928	34,652
Lead	12,270	3,219	9,051
NASAAC	11,020	9,801	1,219
Zinc	98,907	53,467	45,440
Total	**1,184,611**	**479,806**	**704,804**

Commentary

- Metro currently has another 480kt booked in its deal pipeline with aluminium representing the largest metal followed by Zinc
- Detroit continues to be the key inbound location for Metro

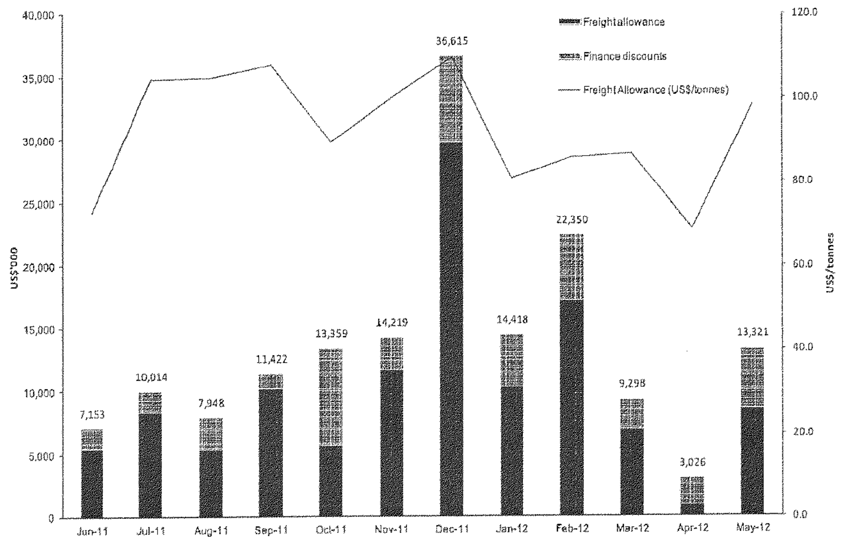
Goldman Sachs

Implementation of 3,000t/d Outbound Rule



Stats. On April Shipments	**#**
Trucks loaded	2,398
Missed appointments	*110*
Railcars loaded	150

Commitment Summary



Goldman Sachs

III. Financial Review

Goldman Sachs

Metro's Key Business Metrics

Evolution of Key Business Metrics

	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11	Jan-12	Feb-12	Mar-12	Apr-12	May-12
Inventory Levels ('000 t)													
Actual Inventory													
Inflow	125	40	84	80	82	83	75	264	45	108	46	74	69
Outflow	(56)	(196)	(204)	(193)	(131)	(113)	(123)	(79)	(71)	(79)	(104)	(127)	(110)
End Balance	2,715	2,560	2,440	2,327	2,278	2,248	2,200	2,385	2,360	2,389	2,331	2,279	2,238
Model Inventory													
Inflow	37	37	36	36	36	36	36	36	35	35	34	34	33
Outflow	(44)	(44)	(44)	(43)	(43)	(43)	(43)	(43)	(62)	(61)	(61)	(60)	(60)
End Balance	2,266	2,259	2,252	2,245	2,238	2,230	2,223	2,216	2,189	2,163	2,137	2,110	2,084
Key Business Drivers													
Cash Freight Incentive ($ '000)													
Actual	13,257	2,284	8,016	7,199	7,671	7,727	7,341	20,999	3,014	12,594	3,685	6,435	
Model	2,120	2,113	2,106	2,098	2,091	2,084	2,076	2,069	1,905	1,881	1,857	1,832	
Cash Freight Incentive ($/ton)													
Actual	105.76	74.67	95.78	99.26	93.26	93.18	97.75	79.40	65.34	116.59	79.68	86.50	
Model	57.84	57.85	57.85	57.85	57.86	57.86	57.86	57.86	54.14	54.14	54.15	54.15	
Financing Deals													
Tonnage ('000 t)	1,034	477	464	163	192	254	413	490	512	516	507	501	514
Rent Discount/Share (% of Total LME Rent)													
Actual	27.8%	15.5%	8.6%	5.4%	7.2%	9.1%	13.7%	15.2%	16.1%	16.1%	18.9%	16.1%	
Model	15.0%	15.0%	15.0%	15.0%	15.0%	15.0%	15.0%	15.0%	15.0%	15.0%	15.0%	15.0%	
Key Financials ('000 US$)													
Total Revenues													
Actual	33,318	36,101	34,774	33,718	28,691	29,974	24,762	26,992	32,799	31,428	25,828	28,233	
Model	26,032	26,771	26,471	26,091	25,537	26,230	25,381	26,069	26,294	24,494	25,698	24,669	
Gross Profit													
Actual	21,898	24,099	22,793	21,275	16,117	16,923	11,637	12,525	19,962	18,367	12,252	14,417	
Model	19,966	18,294	18,974	19,005	18,344	19,023	18,370	19,050	19,036	17,527	18,615	17,775	

Note: Plan / Model numbers are based on Transaction Model and GCPI Scenario.

Commentary

Inventory Balances

- May metal levels are down 5% from Dec '11 primarily due to higher load out rates in Detroit beginning in April.
- Detroit outflows account for 42% of total outflows since April 1. New releases remain strong in Detroit and the outbound queue is currently scheduled through mid-June '13.

Key Metrics

- Freight incentives/mt has generally increased due to concentrations of receipts into Detroit. However, recent trends are influenced by larger off-warrant deals that carry lower incentives.
- With commercial sub-committee approval, Metro has increased recent incentive bids for Detroit metal to become more competitive with expanding Midwest aluminum premia.

2011/2012 Dividend

- Metro paid a $145m dividend in March and April

Metro's Annual Financial Performance

Based on Management Financials / Forecast

	(US$, million)		2009	2010	2011	2012 Mgnt Proj.	2012 YTD (April)
	Inventory Balance	Start End	885kt 2,169kt	2,169kt 2,413kt	2,413kt 2,385kt	2,385kt 2,282kt	2,385kt 2,258kt (May)
Revenue Items	Rent Revenues		$ 220m	$ 329m	$ 356m	$ 357m	$ 117m
	Rent Discounts	−	$ 31m	$ 64m	$ 59m	$ 60m	$ 19m
	FOT & Other Revenues	+	$ 22m	$ 25m	$ 52m	$ 56m	$ 21m
	Total Revenues	=	**$ 211m**	**$ 290m**	**$ 349m**	**$ 353m**	**$ 118m**
Cost Items	Freight Incentives	−	$ 71m	$ 65m	$ 78m	$ 105m	$ 34m
	OPEX / G&A	−	$ 72m	$ 69m	$ 73m	$ 73m	$ 23m
	Total Cost	=	**$ 143m**	**$ 134m**	**$ 151m**	**$ 178m**	**$ 57m**
	EBITDA	=	**$ 67m**	**$ 156m**	**$ 198m**	**$ 175m**	**$ 61m**

Goldman Sachs

IV. Federation Areas

Page(s)
Redacted By The
Permanent Subcommittee
on Investigations

Compliance: Various

Updated Information Barrier Policy

- On April 1st, 2012 the new LME rules on Information Barriers between trading members and warehouses have come into force.
- New Information Barrier Policy is in the process of being rolled out to Metro and GS personnel

Choice of Auditor for LME Audit of Information Barriers

- Board to discuss proposals/quotes for selection of auditor for new LME rules once received

Metro Annual Compliance Training

- Metro's annual compliance training is scheduled to take place in Q3 2012

Goldman Sachs

Internal Audit: Update Action Items

Finding	Finding Detail	Action Plan	Status
		2011 Audit	
Outbound Scheduling	Need for centralized framework to support key warehousing activities and outbound scheduling	Centralized scheduling system to automate key elements	**Completed (Mar 2012)**
Proactive Follow-Up on Outbound Deliveries	Certain outbound procedures should be enhanced to demonstrate compliance with LME rules	Confirmation to clients of outbound appointments, multiple appointment identification, recording of gate time	**Completed (Sept 2011)**
Johor Warehouse Procedure Enhancements	Redacted by the Permanent Subcommittee on Investigations		
Preparation for Increased outbound requirement	Need to perform analysis to assess ability to meet increased outbound requirement	Analysis	**Completed (Mar 2012)**
Metro Website	Redacted by the Permanent Subcommittee on Investigations		
Vendor Management Contracts			
Conflicts Management Procedure	Metro / GS conflicts management process should be enhanced	E-surveillance of communication, GCPI shared-drive, list of Metro employees with access to confidential information	**Completed (Dec 2011)**

Further audit activities to be discussed

MITSI Holdings LLC

Board of Directors Meeting
Tuesday, 15th February 2011

Goldman Sachs

Goldman Sachs

Board Meeting Agenda

Tuesday, 15th February 2011

New York, 200 West, 12-102

Time	Item
08.00 – 11.15 (NY Time)	**Business Review** ■ Regular CEO Update (incl HSE) ■ Market Colour ■ 2010 Financial Performance ■ 2011 Financial Forecast ■ Review Detroit Outflows ■ European Economics Study ■ Growth Initiatives ■ Capacity Extension
11.15 – 11.30 (NY Time)	**Federation Areas** ■ HR: Office Manager ■ Internal Audit: Update
11.30 – 12.00 (NY Time)	**Any other business**

I. Business Review

Metro's 2010 Key Business Metrics

Evolution of Key Business Metrics

	Jan-10	Feb-10	Mar-10	Apr-10	May-10	Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10	Dec-10	2010
Inventory Levels ('000 t)													
Actual Inventory													
Inflow	109	104	94	52	64	31	57	51	21	31	65	101	778
Outflow	(20)	(24)	(43)	(48)	(50)	(51)	(55)	(57)	(58)	(52)	(42)	(34)	(534)
End Balance	2,258	2,337	2,389	2,393	2,409	2,388	2,390	2,383	2,346	2,324	2,347	2,413	2,413
Inflow as % of End Balance	4.8%	4.4%	3.9%	2.2%	2.6%	1.3%	2.4%	2.1%	0.9%	1.3%	2.8%	4.2%	n/a
Outflow as % of End Balanc	0.9%	1.0%	1.8%	1.9%	2.1%	2.1%	2.3%	2.4%	2.5%	2.3%	1.8%	1.4%	n/a
Model Inventory													
Inflow	47	47	47	47	47	48	48	48	48	48	49	49	573
Outflow	(35)	(35)	(35)	(35)	(36)	(36)	(36)	(36)	(36)	(37)	(37)	(37)	(430)
End Balance	2,171	2,183	2,195	2,207	2,219	2,230	2,242	2,254	2,266	2,278	2,290	2,302	2,302
Inflow as % of End Balance	2.1%	2.1%	2.1%	2.1%	2.1%	2.1%	2.1%	2.1%	2.1%	2.1%	2.1%	2.1%	n/a
Outflow as % of End Balanc	1.6%	1.6%	1.6%	1.6%	1.6%	1.6%	1.6%	1.6%	1.6%	1.6%	1.6%	1.6%	n/a
Key Business Drivers													
Cash Freight Incentive ($ '000)													
Actual	6,931	8,064	5,096	3,516	4,540	2,103	2,916	3,853	2,712	2,355	8,398	8,537	55,013
Model	2,826	2,838	2,850	2,862	2,874	2,886	2,898	2,911	2,923	2,935	2,947	2,959	34,709
Cash Freight Incentive ($/ton)													
Actual	63.35	58.35	54.12	67.83	71.28	68.77	51.21	76.06	129.19	77.12	90.62	84.89	70.73
Model	60.63	60.62	60.61	60.60	60.59	60.59	60.58	60.57	60.56	60.55	60.55	60.54	60.58
Financing Deals													
Tonnage ('000 t)	952	916	915	958	1,007	982	991	1,005	1,012	895	895	987	907
Rent Discount/Share (% of Total LME Rent)													
Actual	18.1%	17.6%	19.7%	20.8%	21.3%	22.8%	20.0%	23.4%	24.5%	25.0%	24.8%	18.9%	21.5%
Model	15.0%	15.0%	15.0%	15.0%	15.0%	15.0%	15.0%	15.0%	15.0%	15.0%	15.0%	15.0%	15.0%
Key Financials ('000 US$)													
Revenues													
Actual	22,483	22,296	25,900	24,319	25,034	25,009	25,029	24,394	25,877	23,649	21,741	25,258	290,890
Model	23,922	21,911	24,176	23,583	24,430	23,829	24,684	24,812	24,199	25,066	24,445	25,320	290,376
Gross Profit													
Actual	11,020	11,200	14,860	12,404	13,487	14,861	16,100	16,080	16,203	14,341	11,002	15,008	166,707
Model	11,663	10,706	12,744	12,576	13,561	14,131	15,480	15,875	15,471	16,408	16,171	17,371	172,458

Note: Plan / Model numbers are based on Transaction Model and GCPI Scenario.

Commentary

Inventory Level

- Inventory level at year end was higher than previously expected and has increased further since then to 2,526kt
- While the second half of 2010 has seen strong outflows, particularly in Detroit, inflows were also higher than previously anticipated

Key Business Drivers

- Average cash freight incentives across the year were with $70.7/t on the high side
- Particularly in the backend of the year the freight incentive level has been driven up by an increase in physical premia
  - Sept 2010 was an outlier due to accounting reversals (adjusted ~ $72/t)
- Tonnage under financing arrangements has remained largely flat across the year
- Total rent discounts as % of LME revenues have been high throughout the year and have come back down to 18.9% in Dec 2010
- However the favourable market environment did not last through Jan 2011 and discounts are expected to increase again

Key Financials

- Metro had a solid gross profit performance roughly in line with forecasts

Page(s)
Redacted By The
Permanent Subcommittee
on Investigations

Metro's 2011 Financial Forecast

Management Forecast

Similar to a trading business Metro's financial performance is heavily dependant on market circumstances and the evolution of a handful key determinants.

	(US$, million)		2011 Forecast	Commentary / Assumptions
	Inventory Balance		**Starting - 2,410kt** **Ending – 2,914kt**	■ Estimated total inflows of 755kt including one large outstanding quote for 400kt aluminium into Detroit ■ Estimated total outflows of 223kt, mostly from cancelled aluminium warrants
Revenue Items	**Rent Revenues**		**$ 384m**	■ Increase of rent rack rate of 0.41cts/d for aluminium and +1cts for other metals from March 2011 on
	Rent Discounts	−	**$ 73m**	■ 19% average rent discount across all metal ■ Average discounts in H2 2010 were between 20% and 23% with Dec showing a strong decrease to 17% ■ +/- 1% in rent discount has an EBITDA impact of $3.84m
	FOT & Other Revenues	+	**$ 14m**	■ Estimated total outflows of 223kt, mostly from cancelled aluminium warrants ■ Outcharges of $32.95/t
Cost Items	**Freight Incentives**	−	**$ 63m**	■ Estimated total inflows of 755kt ■ Average cash freight incentive for aluminium of $105/t and for all other metal of $70/t
	OPEX / G&A	−	**$ 71m**	■ Regular operating costs such as warehouse leases, in-and out-costs, warranting costs etc. of around $5m per month ■ G&A costs of around $0.9m per month
	EBITDA	=	**$ 191**	

Metro's Current Inventory Level

As of End January 2011

Inventory Level at 31 January 2011

	Location	Aluminum	Alloy	NASAAC	Copper	Lead	Zinc	Steel	Total
Asia									
Redacted by the Permanent Subcommittee on Investigations									
Asia Total		223,920	2,880		6,650	600	131,600	2,860	368,510
EMEA									
Redacted by the Permanent Subcommittee on Investigations									
EMEA Total		92,231	430			5,875	6,550	485	105,881
USA	Detroit	980,375		37,720		39,076	88,725		1,146,895
Redacted by the Permanent Subcommittee on Investigations									
USA Total		1,377,425		102,260	201,425	67,425	303,125		2,051,460
Grand Total		1,693,576	3,410	102,260	208,075	73,900	441,275	3,355	2,525,851
Off-Warrant		160,575		1,640	1,000	660	7,300		171,065

Change in Inventory Level – Dec 2010 to Jan 2011

Region	Location	Aluminum	Alloy	NASAAC	Copper	Lead	Zinc	Steel	Total
Asia									
Asia Total		7,350			6,575		11,200		25,125
EMEA									
EMEA Total		11,850	(280)			(125)		(111)	11,334
USA	Detroit	65,225		(240)		600	100		65,685
USA Total		74,150		950	1,425	(600)	75		76,000
Grand Total		93,350	(280)	950	8,000	(725)	11,275	(111)	112,459
Off-Warrant		(28,400)		(860)	1,000	600	(4,825)		(32,485)

LME Inventory Level and Metro's Market Share

As of End January 2011

Current LME Inventory Level

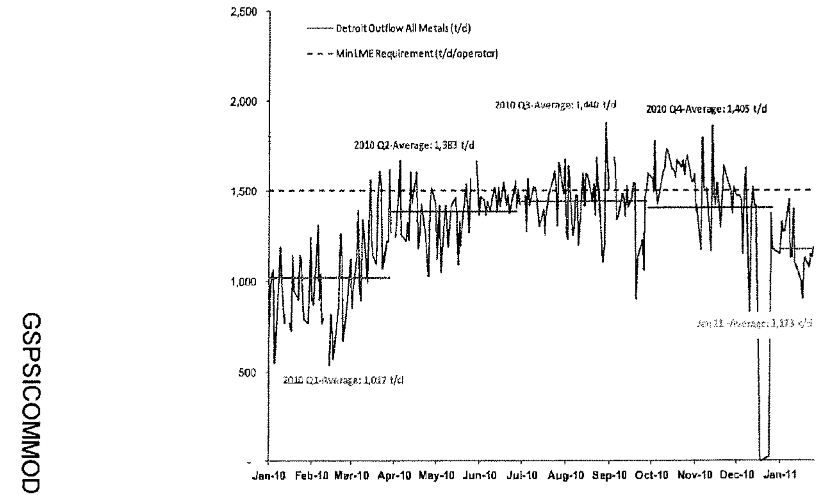
Region	Location	Aluminum	Alloy	NASAAC	Copper	Lead	Nickel	Tin	Zinc	Steel	Total
Asia											
Redacted by the Permanent Subcommittee on Investigations											
Asia Total		1,100,275	21,980		43,000	87,950	17,280	17,305	159,800	4,810	1,492,500
EMEA											
Redacted by the Permanent Subcommittee on Investigations											
EMEA Total		1,270,100	50,900		32,825	105,325	118,760	150	36,825	34,450	1,649,335
USA	Detroit	1,002,150		37,820		39,075			86,725		1,167,770
Redacted by the Permanent Subcommittee on Investigations											
USA Total		2,150,860		136,080	271,200	86,680		180	511,960		3,161,870
Grand Total		4,521,225	72,880	136,080	394,025	272,825	135,040	17,615	710,475	38,260	6,294,705

Redacted By
Permanent Subcommittee on Investigations

Goldman Sachs

Update on Detroit Outflow Activity

Detroit Daily Outflows – All Metals (t/d)



Source: Metro Outbound Log

Background

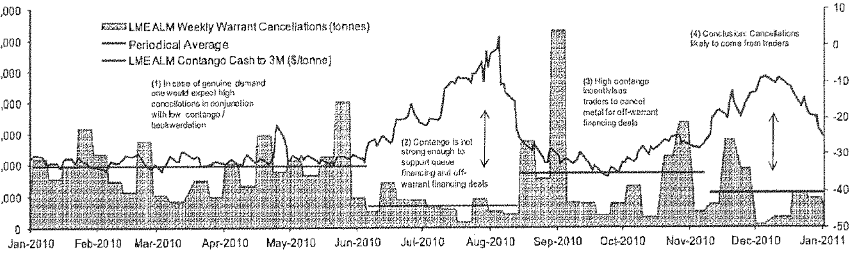
- As indicated in the previous board pack, the Detroit outflow analysis has been updated based on Metro's outflow records (vs Reuters data previously)
- While Q3 and Q4 2010 have had an average daily outflow of above 1,400t/d the average has dropped in January 2011
- The drop is due to a remarkable lack of shipping orders and re-scheduling of metal outbound deliveries despite metal still being in the queue
- This reinforces the conclusion that current outflows are not driven by genuine demand but by trading activities
  - Low contango or backwardation (as we have seen in January) increases the attractivity of having an LME backstop for traders and decreases metal being taken out for off-warrant financing deals

Page(s)
Redacted By The
Permanent Subcommittee
on Investigations

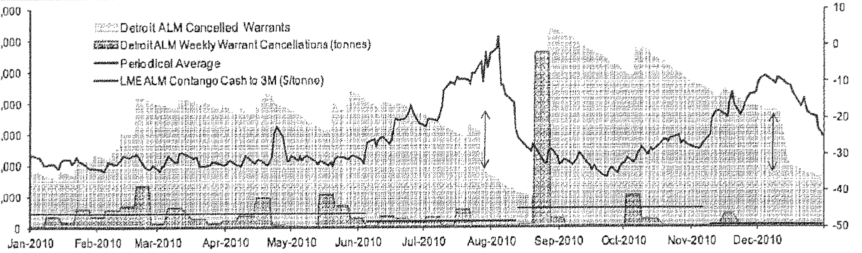
Goldman Sachs

European Economics Study
Financial Players & Warrant Cancellations

Global Cancellations vs Aluminium Contango



Detroit Cancellations vs Aluminium Contango



Source: GS based on Reuters and Platool data

**Page(s)
Redacted By The
Permanent Subcommittee
on Investigations**

MITSI Holdings LLC

Board of Directors Meeting
Thursday, 11th March 2010

Goldman Sachs

Goldman Sachs

Board Meeting Agenda

Thursday, 11th March 2010

Time	Item
08.30 – 9.00	Welcome & Introduction for Board Members / Management Team
09.00 – 11.30	**Business Review** ■ Key business metrics ■ Financials ■ Developments in competitive landscape
11.30 – 13.00	**Federation area review** ■ HCM ■ Environmental ■ Compliance & BIG ■ Financial Control, SOX
13.00 – 13.30	**Other Business**

Goldman Sachs

Table of Contents

I. Administration

II. Business Analysis

III. Developments in Competitive Landscape

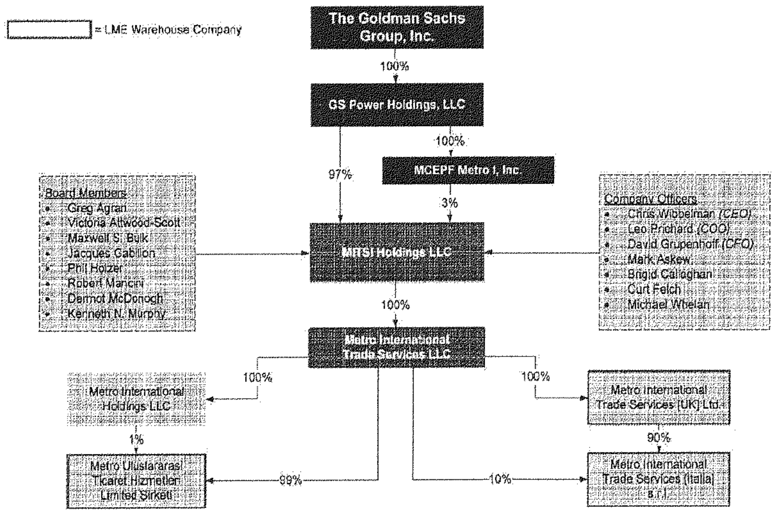
IV. Federation Review Areas

Goldman Sachs

I. Administration

Goldman Sachs

Organisation Structure



☐ = LME Warehouse Company

The Goldman Sachs Group, Inc.

100%

GS Power Holdings, LLC

100%

MCEPF Metro I, Inc.

97%

3%

Board Members
- Greg Agran
- Victoria Attwood-Scott
- Maxwell S. Bulk
- Jacques Gabillon
- Phil Holzer
- Robert Mancini
- Dermot McDonogh
- Kenneth N. Murphy

MITSI Holdings LLC

Company Officers
- Chris Wibbelman *(CEO)*
- Leo Prichard *(COO)*
- David Grupenhoff *(CFO)*
- Mark Askew
- Brigid Callaghan
- Curt Felch
- Michael Whelan

100%

Metro International Trade Services LLC

100%

Metro International Holdings LLC

1%

Metro Uluslararasi Ticaret Hizmetleri Limited Sirketi

99%

100%

Metro International Trade Services (UK) Ltd.

90%

10%

Metro International Trade Services (Italia) s.r.l.

Goldman Sachs

Board Members (I / II)

Biographies

Name	Biography
Greg Agran *FICC*	Greg runs Natural Gas and Power Trading within Commodities and is head of Global Commodities Principle Investing. He is also co-head of undergraduate recruiting at Harvard University. Greg joined Goldman Sachs in 1991 as an analyst in Foreign Exchange in New York. He moved to Commodities in 1992 and worked in London from 1993 to 1998. From 1998 to 2000, he worked in the New York office before relocating again to London. In 2001, Greg returned to New York and assumed his current role. He was named managing director in 1999 and partner in 2008. Prior to joining the firm, Greg worked as an analyst at UBS. Greg earned an undergraduate degree from Harvard University in 1990. He and his wife, Morgan Brill, have two children and live in New York City.
Victoria Attwood Scott *Compliance*	Victoria manages Global Commodities Compliance and coheads FICC Compliance. Victoria joined Goldman Sachs in 2003 as an associate responsible for European Commodities Compliance and was named global head of Commodities Compliance in 2005. She was named managing director in 2007. Prior to joining the firm, Victoria worked as a compliance officer for Investec and Barclays Capital after beginning her career on the London International Financial Futures and Options Exchange (LIFFE). Victoria lives in Epping Forest with her husband, Christopher, and their son Henry.
Maxwell S. Bulk *Operations*	Max co-manages the Global Commodity Operations. Previously, he was in Commodities Sales. Prior to that, he managed Commodities Special Execution from 2004 to 2007. Max joined Goldman Sachs in 2004 as a manager in Commodity Operations. He was named managing director in 2009. Prior to joining the firm, Max was senior director of Operations for APX, a firm that provides technology, operational and consulting services for power and environmental clients. He also worked at the California Power Exchange as a manager in operations.
Jacques Gabillon *FICC*	Jacques manages the Global Commodities Principal Investments Group in Europe. He joined Goldman Sachs in 2001 in Commodities Sales, and was named managing director in 2008. Prior to joining the firm, Jacques worked at Credit Suisse First Boston in Commodities and Emerging Markets. He graduated from Ecole Centrale des Arts et Manufactures, Paris in 1989. Jacques and his wife, Stéphanie, have two daughters and live in London.
Phil Holzer *Securities*	Philip is deputy head of the German region. He is also responsible for the Securities business in Germany, Austria and Switzerland and is head of the European Private Investor Product Group (PIPG) business. Philip joined Goldman Sachs in 1992 in Equity Derivative Sales in New York and relocated to the Frankfurt office in 1994. In 2000, he assumed responsibility for the retail effort within the Equities Division in Europe as co-head of PrimeAccess, based in London. Philip was named managing director in 2000 and partner in 2004. Philip earned an MBA from the University of Frankfurt. He is a member of the Atlantik Brücke e.V. and a member of the Strategic Board of the Deutscher Derivate Verband. He resides in Frankfurt.

Board Members (II / II)

Biographies

Name	Biography
Robert Mancini *FICC*	Bob is a senior leader of Global Commodities Principal Investments within the firm's Commodities business. Prior to joining this group in 2008, Bob spent three years as co-head of the Fixed Income, Currency and Commodities Division's power asset business and, in that capacity, also served as co-president of Cogentrix Energy Inc, a wholly-owned Goldman Sachs subsidiary. Bob joined the firm in New York in 1993 as a vice president and assistant general counsel for the J. Aron Currency and Commodities Division. He relocated to the Hong Kong office in 1994 to provide legal support for FICC and Equity Derivatives in Asia and became senior counsel before returning to New York in 1995. He became global legal coordinator for the firm's derivatives businesses in 1998 and was named deputy general counsel for the FICC Division in 1999. Bob was named managing director in 1999. Prior to joining the firm, Bob was an attorney with Debevoise & Plimpton LLP from 1984 to 1987 and an investment banker in the municipal finance department of Smith Barney from 1987 to 1988. He then returned to Debevoise & Plimpton LLP, where he established that firm's derivatives practice. Bob represents the firm as a member of the Board of Directors of several portfolio companies globally. Bob also serves on the Board of Directors of several not-for-profit organizations, including Boys Hope Girls Hope, The International Education Exchange, and the Binghamton University Foundation. Bob earned a BA from The State University of New York, Binghamton in 1980 and a JD from New York University School of Law in 1984. He and his wife, Beth, have three children and live in Bedford, New York.
Dermot McDonogh *Finance*	Dermot is a managing director within the Finance Division and is responsible for International Controllers. He serves on the Divisional Diversity Champion Committee. Dermot joined Goldman Sachs in 1994 in New York, where he spent several years fulfilling a variety of roles within the Finance Division. In 2000, Dermot relocated to London and served as European Product Controller, and subsequently as European Controller. He was named managing director in 2003. Dermot spent three years at SBC in London before joining Goldman Sachs and earned an undergraduate degree from the University of Limerick in Ireland in 1986. He and his wife, Dr. Joan T. Moroney, have one child and live in London.
Kenneth N. Murphy *FICC*	Ken heads the Services Division of Goldman Sachs which includes oversight responsibility for Archon Group and Litton Loan Servicing. He joined Goldman Sachs as a managing director in 2008 and was named partner later that year. Prior to his current role, Ken was cohead of the America's Special Situation Group. Prior to joining the firm, Ken worked at Archon Group, a wholly owned subsidiary of Goldman Sachs, from 1989 to 2006. At Archon, he served as co-head of the Goldman Sachs Specialty Lending Group and global chief operating officer. Prior to that, Ken was head of Archon's Asia business while living in Tokyo. Ken earned a BBA in Finance from Baylor University in 1986.

Goldman Sachs

Company Officers

Biographies

Name	Biography
Chris Wibbelman *President and CEO*	Chris Wibbelman is President and CEO of Metro. Chris has been with Metro since its founding in 1991 and acted as the company's COO for 15 years before assuming the CEO title in 2006. Chris has been responsible for creating business processes, customer development, facility acquisition, operational oversight, financial oversight, regulatory compliance, and strategic expansion. Before joining Metro, Chris developed industrial real estate at US airports, including overseeing all aspects of property acquisition, government approvals, financing, construction management, leasing, and managing end-sale transactions. Chris has a Bachelor of Arts degree from James Madison College and Michigan State University
Leo Prichard *COO*	Leo has been head of Metro's physical logistics and storage operations since 1996. He has created and enforced company-wide handling and storage disciplines, protocols, and procedures for managing the large volumes of metal in Metro's diverse global locations. He has minimized cost in a fluctuating environment and established these same formalities globally. He oversees staff training and deployment, inventory control, and metal logistics. Prior to coming to Metro, Leo worked for almost 20 years at a major grocery chain where he was involved in all aspects of warehousing and distribution. During his tenure, he managed dry goods, perishable, transportation, and manufacturing operations. As Assistant Director of Warehousing, he contributed to the design, construction, handling systems/equipment, documentation, and implementation of operational procedures, staffing, and managing new and re-engineered warehouses in Western US. Leo was also Vice President of Operations for a national distribution company, expanding operations in multiple states
David Grupenhoff *CFO*	With over 20 years of finance experience in public and private organizations, Dave leads all aspects of the finance function for Metro. Prior to joining Metro, Dave served as CFO of Akebono Corporation North America and VP Acquisitions and Director of Finance with Cambridge Industries. Dave began his career with Ernst & Young, where he primarily served in a transaction advisory capacity. Dave is a CPA and holds Masters of Accountancy and Bachelor of Business Administration degrees from the University of Michigan
Mark Askew *VP Marketing*	With nearly 30 years of international industry experience and an extensive base of contacts, Mark plays a key role in sourcing metals for Metro, educating/marketing to industry participants in the use of its warehouses, and financing product for storage. Mark began his career as Company Secretary and Legal Advisor to Rustenburg Platinum (now Amplats), the world's largest producer of platinum group metals. Thereafter, Mark joined Noranda where he held management roles in marketing base metals, concentrates, logistics, and derivatives. He later oversaw international marketing of metallurgical coal and coinage for Luscar and Westaim, respectively
Brigid Callaghan *EVP Finance*	Brigid has been with Metro for 12 years and is currently the Executive Vice President of Finance. Brigid has been responsible for all accounting and financial matters for the Company and its joint venture arrangements, including financial accounting and analysis, internal and external financial reporting and compliance, budgeting and forecasting, cash and debt management, and taxes and insurance. Overall, Brigid has 23 years of financial management experience and holds a Bachelor of Science in Accounting from The University of Detroit
Curt Felch *VP Strategic Development*	A 25-year veteran of the real estate development industry, Curt is responsible for the identification, strategy, and execution of expanding Metro's source of available warehouse space. This includes direction of market research, site selection, warehousing partner recruitment and negotiation, as well as the construction and maintenance of facilities owned directly by Metro. Curt also acts as liaison to the London Metal Exchange for all warehouse-related issues. Prior to taking on the role of Vice President at Metro, Curt was the Vice President of Development for International Airport Centres LLC with responsibility for market research, site selection and acquisition, governmental relations, and design of newly-constructed air cargo warehouse parks throughout the US. Curt is a licensed architect in the state of Michigan and holds a Bachelor of Science in Architecture from Lawrence Technological University, as well as a Masters of Architecture from the University of Michigan
Michael Whelan *VP Business Development*	Michael began his career with Metro in 1997 managing general cargo warehouse operations for Foreign Trade Zone material in San Diego, CA. With over 12 years of metals industry experience, Michael plays a key role in several areas including sourcing new metal, management of inbound and outbound freight, and acting as a liaison to port authorities, government officials, logistics vendors, and metal customers. He has also taken a leading role in establishing new Metro warehouse locations in the United States and Asia. Michael holds a Bachelor of Arts degree from Michigan State University

Corporate Governance – Board of Directors & Officers

Corporate Governance

BHCA Requirements

- GS acquired Metro under BHCA's Merchant Banking exemption, the following restrictions apply to this acquisition
  - — GS needs to divest business within a period of 10 years
  - — GS not allowed to be involved in day-to-day decision making
  - — GS's supervision of company to take place through the Metro board

Role of Board of Directors

- The Board will have full discretion to manage, and make all decisions affecting, the business and affairs of the company
  - — 3 directors of the board shall serve as quorum. Participants of a meeting must be able to hear each other
- The Commercial Decisions Sub-Committee has been formed to vote on actions which in the view of the Company's Officers must be considered without delay
  - — Commercial Decisions sub-committee to consist of 3 members : Gregory A. Agran, Robert Mancini and Jacques Gabillon
  - — 2 members of the Sub-Committee shall serve as quorum
  - — Any decision requires unanimous approval

Role of Company Officers

- Officers are appointed by the Board and may be an employee of any Member or any affiliate of any Member
- Officers of the Company shall have such authority and perform such duties in the management of the Company as generally pertain to their respective offices and shall have such other powers as delegated by the Board
  - — Each officer of the Company is an agent of the Company's business and, except as otherwise expressly provided herein, each officer may bind the Company in accordance with authority set forth in this Agreement or vested in a resolution of the Board

Actions Requiring Board Approval

The following actions by any employee of the MITSI Holdings LLC group require prior MITSI Holdings LLC board approval

- New/additional debt or loan outside GS Lending Partners loan greater than $1.5mm, $5mm in aggregate
- Equity action (share issuance, ...)
- Company acquisition/merger
- Compensation/benefit plan/senior employment/service provider/agent change
- Claim resolution > $200k
- Tax election change
- Accounting policy/auditor change
- Real estate/asset sale/purchase/lease greater than $1.5mm, $5mm in aggregate
- LME related actions:
  - — New/material change to warehouse agreement, warehouse approval, sub-operator agreement or FTZ agreement
- Metal storage transactions:
  - — Monthly commitment (freight incentive, rent discount) greater than $10mm
  - — Freight incentive higher than $90/tonne
  - — Discounted rate lower than $0.20 day for deals longer than 1 month
  - — Rent prepayment with interest rate higher than 2% p.a.
- Material contract > $1.5mm in notional value, $5mm in aggregate
- Any derivative or physical commodity contracts

Goldman Sachs

Ongoing GSLP Funding Procedure

GS Lending Partners Loan

- GS Lending Partners to provide loan to replace existing Comerica ABL facility
- Initial GS Lending Partners loan of $60.4mm is divided into two different tranches:
  - Tranche A which is a revolving facility for ongoing monthly funding needs) = $44.2mm
  - Tranche B which is an amortizing term loan to replace existing mortgages = $16.3mm
- By April 15th of each year, the revolving facility needs to be paid down in full while the amortizing term loan remains outstanding
- Equity dividend paid once yearly in April after LME rent payment date on 31st March and paydown of revolving facility

Factors Determining Monthly Cash Requirements

1. Minimum Cash Balance
2. Ordinary fixed / variable costs
3. Incentive costs
   - Greater variability depending on market conditions & performance of business, likely to be at higher levels if business is performing well
   - Used to pay freight incentives
4. Capex
   - Possible drawdown to fund real estate investments
5. *less* Cash revenues
   - FOT, rent prepayments, actual rent on cancelled warrants, other

Funding Procedures for GSLP Loan

Monthly Funding Procedures

- Metro management team to prepare and submit monthly statement of cash requirements 5 business days (T - 5) before end of month
- GCPI desk to review and discuss with Metro management as necessary
- Funding memo to be created by GCPI desk and signed by Isabelle Ealet (Global Head of Commodities) and Liz Beshel (Group Treasurer)
- Funding memo and statement of cash requirements to be submitted to GS Treasury team and GS Controllers 3 business days (T - 3) before end of month
- Payment to be made by GS Lending Partners operations team at end of month (T)
- Metro cash requirements to be projected based on anticipated costs and cash revenues in the following month. Funding should be sufficient to cover lowest projected point as cash revenue stream might not be steady or match timing of costs

One-Off Intra Month Funding Procedure

- Possible need for additional intra-month funding, for example due to large unexpected metal deals
- Statement of cash requirements and funding memo to be prepared on a (T-2) basis for quick turnaround
- Funding to take place on an expedited basis 2 days later on (T)

Goldman Sachs

II. Business Analysis

Page(s)
Redacted By The
Permanent Subcommittee
on Investigations

Goldman Sachs

Metro's Current Inventory Level

As of End Feb 2010

Metal that has been delivered but not yet warranted (not included in "Total"). Metal earns little or no rent under arrangement with inbound customer.

Metal that has been taken off warrant and is waiting to leave the warehouse (included in "Total"). Metal earns full rent.

Region	Location	Aluminum	Alloy	NASAAC	Copper	Lead	Nickel	Tin	Zinc	Steel	Total	Mkt Share	Off-Warrant	Cancelled Warrants
Asia	Singapore	[redacted] Redacted by the Permanent Subcommittee on Investigations												
	Johor													
	Busan													
	Gwangyang													
	Incheon													
	Port Klang													
Asia Total		201,870	2,980		4,775	600			85,675	2,730	301,830	21%	13,425	450
EMEA	Rotterdam	[redacted] Redacted by the Permanent Subcommittee on Investigations												
	Antwerp													
	Trieste													
	Liverpool													
	Hamburg													
	Hull													
	Tekirdag													
	Kocaeli													
EMEA Total		74,781	7,040		1,024	988			6,550	10,885	101,268	6%	18,597	
USA	Detroit	915,375		40,340		39,375			90,700		1,086,790	100%	55,350	47,775
	New Orleans	[redacted] Redacted by the Permanent Subcommittee on Investigations												
	Chicago													
	Mobile													
	St. Louis													
	Toledo													
	Long Beach													
USA Total		1,248,075		104,740	223,775	71,125			286,675		1,934,390	63%	206,310	56,130
Grand Total		1,627,726	10,020	104,740	229,674	72,913			378,900	13,615	2,337,488	37%	238,332	56,680

Goldman Sachs

LME Inventory Level and Metro's Market Share

As of End Feb 2010

Current LME Inventory Level

Region	Location	Aluminium	Alloy	NASAAC	Copper	Lead	Nickel	Tin	Zinc	Steel	Total
Asia											
		Redacted by the Permanent Subcommittee on Investigations									
Asia Total		1,110,375	1,500		122,350	10,925	30,210	23,980	113,200	4,810	1,417,350
EMEA											
		Redacted by the Permanent Subcommittee on Investigations									
EMEA Total		1,379,275	73,140		33,500	57,525	133,014	25	38,575	30,615	1,816,668
USA											
		Redacted by the Permanent Subcommittee on Investigations									
USA Total		2,006,425		178,740	335,400	88,250		575	380,800		3,015,490
Grand Total		4,570,876	88,640	178,740	561,250	167,200	163,224	24,580	641,376	35,425	6,310,648

Redacted By
Permanent Subcommittee on Investigations

Goldman Sachs

Metro's Deal Book Pipeline

Current Pipeline Overview ('000 t)

	Contract	Balance Outstanding	Delivered	
			Warranted	Not Issued
Aluminium	573,417	236,033	197,244	140,140
Aluminium Alloy	2,500	1,121	0	1,379
Copper	62,500	9,591	51,095	1,815
Nickel	0	0	0	0
Steel	0	0	0	0
Lead	59,101	10,716	45,998	2,388
NASAAC	3,300	2,336	964	0
Zinc	285,561	72,052	210,564	2,967
Total	**986,399**	**331,849**	**505,863**	**148,688**

Key Take-Aways

- Metro's deal book pipeline consists of a series of committed deals based on verbal bilateral agreements with market counterparts
- This deal book represents a working tool for company management and is primarily used for financial and capacity planning purposes
- As of 5 March 2010 Metro's was expecting a total of 331kt to be delivered over the coming months under existing agreements
- The majority of this deal book metal consists of aluminium coming into Detroit and zinc coming into New Orleans and Detroit

III. Developments in Competitive Landscape

Developments in Competitive Landscape

Global LME Warehousing Sector

Overview Key Players

Company	Metro	NEMS	Henry Bath	CWT	C. Steinweg	Berthold Vollers	B. Pacorini
HQ	Detroit	Tyne	Liverpool	Singapore	Rotterdam	Bremen	Trieste
Founding Date	1991	1993	1875	2000	1647	1993	1933
Ownership	Goldman	Trafigura	JPMorgan	CWT	n/a	n/a	n/a
Geographic Presence							
Northern Europe	◑	◕	◕	●	●	●	◕
Southern Europe	◑	◕	◕	◕	◕	◕	●
UK	◑	●	●	◕	◕	◕	◕
USA	●	◔	◑	◔	◑	◔	◑
Asia	◑	◑	◑	◑	◑	◑	◑
Business Model							
Pure Play?	✓	✗	✗	✗	✗	✗	✗
Number of Warehouses	69[2]	18	67	22	62	11	59
Number of Employees	<50	N/A	100-500	<50	>2,000	100-500	100-500
	acquired by GS	acquired by Trafigura	acquired by JPM		Xstrata / Glencore rumours		Standard Bank rumours

Source: LME, Deutsche Bank

Commentary

- There is a total of 31 registered LME warehouse operators, most of which are concentrated on a specific region or location
  - — 7 big players are present in multiple locations
- Contrary to Metro (pure play LME warehouse operator) the majority of global players have large-scale diversified operations outside of their LME business
  - — Steinweg's activities include port infrastructure investments and soft commodity storage
  - — Henry Bath operates logistic's arm of LME member RBS Sempra
  - — Pacorini's activities include coffee storage and distribution, ship brokerage and logistics
- LME warehouse sector has seen a wave of acquisitions of operators by metal traders and/or investment banks over the last month
  - — JPMorgan announced acquisition of RBS Sempra and with it Henry Bath on 17 Feb 2010
  - — Trafigura announced acquisition of NEMS on 1 Mar 2010
- Furthermore there are market rumours around some of the remaining independent players
  - — Rumour that Xstrata / Glencore have or are looking to acquire a majority stake in Steinweg
  - — Rumour that Standard Bank is looking at Pacorini

---

[1] Represents the number of warehouses approved for storage of non-ferrous metals per the LME Website.

[2] Metro currently controls 118 warehouses including partnerships. The 69 Metro warehouses here represent the number of warehouses listed by the LME under Metro's name.

Page(s) Redacted By The Permanent Subcommittee on Investigations

IV. Federation Review Areas

Page(s) Redacted By The Permanent Subcommittee on Investigations

Goldman Sachs

Compliance & BIG

Compliance

- Employee manual discussion
- Appointment of Chris Wibbelman as Metro senior employee
  - Responsible for overseeing confidentiality procedures at Metro
  - Leo Prichard as alternate senior officer in his absence
- Obtain confirmation from board that they are comfortable with confidentiality and separation policies and procedures
  - Confirm receipt of sign off on procedures from all relevant staff

REDACTED

Financial Control & Sarbanes-Oxley

Financial Reporting / Consolidation

- GS will be consolidating Metro's financial statements for the first time for our March quarter end.
- GS controllers are working with Metro officers to produce our opening balance sheet, support our purchase price allocation and record income, we anticipate reporting income 1 month in arrears for the medium term
- Preparatory work is advanced and GS controllers will be making a site visit on 15 March to discuss consolidation matters and open discussions around the development of a sound, efficient, controlled framework for the ongoing consolidation process
- GS Controllers do not plan on developing a material degree of integration in financial reporting systems

Appointment of Auditors

- Existing auditors Plante & Moran to be replaced by GS Auditors, PriceWaterhouseCoopers
- PWC team has been introduced to Metro management
- Currently finalizing handover process and timing

Internal Control Assessments - Sarbanes-Oxley

- Final SOX certification is made at year end, and we will work towards instituting a quarterly sign off in line with the firms procedures
- The Sarbanes-Oxley Act requires the management of the firm and the firms auditors to attest to and report on the adequacy of internal controls governing the accuracy of the financial statements. To support this we operate a network of internal assessments, reporting and individual sign off covering all areas of the firm.
- GS will need to bring Metro within the sphere of this assessment and signoff. Signoff would typically occur in at least two reporting paths; first to the CEO of the business attesting to the integrity of Metro's financial statements and second through Controllers governing the completeness and accuracy of the consolidation process.
- The nature and depth of the sign off process at the Metro level is something GCPI/GS Controllers will determine over the coming quarter. There is no prescribed level of coverage, we will look to identify the appropriate level of assessment and signoff with Metro's management and the relevant internal GS groups. We will begin to focus on these discussions with Management after the completion of the quarter 1 consolidation process.

Goldman Sachs

MITSI Holdings LLC

Board of Directors Meeting
October 4th, 2013

Goldman Sachs

Board Meeting Agenda

Time	Item
8.00 – 8.30 (NY Time)	**Intro / Company Administration** ■ Commercial Decisions
8.30 – 10.00 (NY Time)	**Business Review** ■ CEO Business & Market Update ■ Operations Summary (incl. HSE) ■ Off-Warrant Deals ■ Proposed LME Load-Out Rule Change ■ Legal & Regulatory Items
10.00 – 10.30 (NY Time)	**Financial Review** ■ Recent Financial Performance
10.30 – 11.00 (NY Time)	**Federation Areas** ■ Customs: FTZ Discussion Update ■ Compliance: Annual Director Training
11.00 – 12.00 (NY Time)	**Any other business**

I. Company Administration

Goldman Sachs

Open Task Tracker

No.	Issue Date	Description	Responsibility	Due Date	Open/ Closed	Comments
Open Items						
17.	Jun 13	Control Committee				Redacted by the Permanent Subcommittee on Investigations
18.	Jun 13	Example HSE Report				
Recently Closed Items						
13.	Oct 12	Balance Sheet				Redacted by the Permanent Subcommittee on Investigations
14.	Oct 12	Market Summary				
15.	Dec 12	PWC Chinese Wall Audit	Ingmar Grebien	n/a	Closed	Update board on progress of PWC Chinese Wall audit.
16.	Mar 13	HSE Statistics				Redacted by the Permanent Subcommittee on Investigations

Goldman Sachs

II. Business Review

Metro's Current Inventory Level

As of End Aug 2013

Metro Stocks @ 31-Aug-13

	Location	Aluminum	Alloy	NASAAC	Copper	Lead	Nickel	Zinc	Steel	Total	Mkt Share
Asia	Singapore										
	Johor										
	Busan				Redacted by the Permanent Subcommittee on Investigations						
	Gwangyang										
	Incheon										
	Port Klang										
Asia Total		7,025	60		9,100				65	16,250	1%
EMEA	Rotterdam										
	Trieste				Redacted by the Permanent Subcommittee on Investigations						
	Hamburg										
EMEA Total		5,463				112	387			5,962	0%
USA	Detroit										
	New Orleans										
	Chicago				Redacted by the Permanent Subcommittee on Investigations						
	Mobile										
	St. Louis										
	Toledo										
	Long Beach										
USA Total		1,474,400		94,960	7,700	18,825	1,410	112,825	16,055	1,726,175	60%
Grand Total		1,486,888	60	94,960	16,800	18,937	1,797	112,825	16,120	1,748,387	23%
Off-Warrant		116,575			5,500			91,225		213,300	

Page(s)
Redacted By The
Permanent Subcommittee
on Investigations

Metro's Market Share

As of End Aug 2013

LME Inventory Level

LME Stocks @ 30-Aug-13

Region	Location	Aluminum	Alloy	NASAAC	Copper	Lead	Nickel	Tin	Zinc	Steel	Total
Asia											
Redacted by the Permanent Subcommittee on Investigations											
Asia Total		640,925	17,560		226,550	78,425	81,674	10,430	31,800	380	1,097,854
EMEA											
Redacted by the Permanent Subcommittee on Investigations											
EMEA Total		2,981,650	48,140		142,350	86,800	120,204	5	244,225	20,020	3,643,484
USA	Detroit	1,444,775		92,740		18,050	402		112,675	15,000	1,685,532
Redacted by the Permanent Subcommittee on Investigations											
USA Total		1,769,300		111,360	220,850	19,925	1,410	110	724,075	17,280	2,864,920
Grand Total		5,392,475	65,700	111,360	589,750	185,150	213,378	10,545	1,000,200	37,700	7,606,258

Metro Market Share (% of Total LME Inventory)

Metro Market Share @ 31-Aug-13

Region	Location	Aluminum	Alloy	NASAAC	Copper	Lead	Nickel	Tin	Zinc	Steel	Total
Redacted by the Permanent Subcommittee on Investigations											
Asia Total		1%	0%		4%					17%	1%
EMEA											
Redacted by the Permanent Subcommittee on Investigations											
EMEA Total		0%				0%	0%				0%
USA	Detroit	97%		100%		98%	100%		100%	93%	97%
Redacted by the Permanent Subcommittee on Investigations											
USA Total		80%		85%	3%	94%	100%		10%	93%	60%
Grand Total		25%	6%	85%	3%	10%	1%		11%	43%	23%

Current Deal Pipeline

Deal Pipeline As Of End Aug 2013

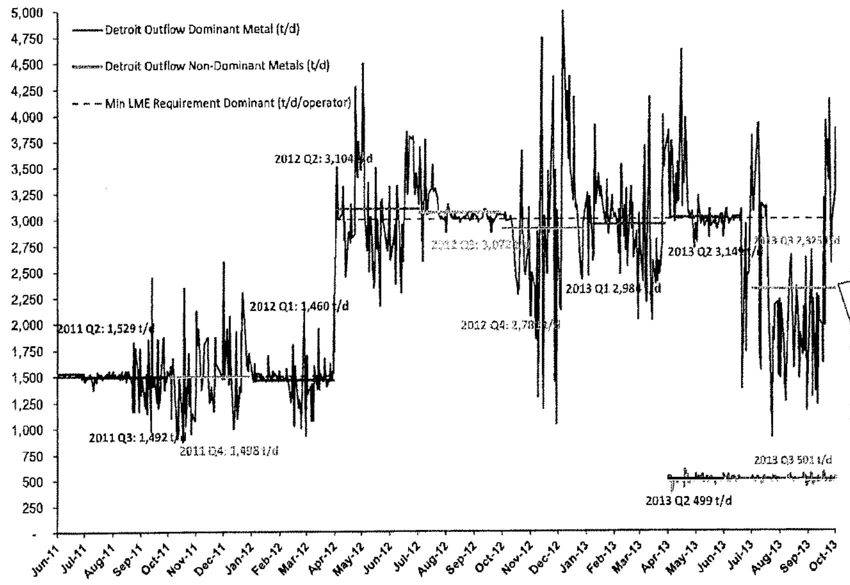
	Contract	Balance	Warranted	Not Issued
Aluminium	721,233	455,317	147,107	118,809
Aluminium Alloy	-	-	-	-
Copper	37,305	19,753	12,190	5,361
Nickel	-	-	-	-
Steel	-	-	-	-
Lead	-	-	-	-
NASAAC	37,681	106	37,574	0
Zinc	104,000	6,017	-	97,983
Ferro Titanium	-	-	-	-
Total	**900,219**	**481,193**	**196,872**	**222,154**

Commentary

- Metro currently has another 481kt booked in its deal pipeline with aluminium representing the largest metal
- Detroit continues to be the key inbound location for Metro

Goldman Sachs

Detroit Outbound Rates & Rule Change



Due to scarcity of rail cars, customers have not been able to ship out at scheduled rates. Metro ready to load out rail cars over the coming months in addition to normal outbound

Page(s) Redacted By The Permanent Subcommittee on Investigation

Goldman Sachs

Overview Off-warrant Deals I/II

Aluminium

Metro works with owners and provides them with continuing on-warrant as well as off-warrant storage options.

	DET-1342 (Sep 2010)	DET-1366 (Feb 2011)	DET-1452 (Jan 2012)	DET-1454 (Feb 2012)
Tonnage (kt)	■ 100 kt	■ 100 kt	■ 100 kt	■ 100 kt
Rent & FOT Rate Structure	■ FOT and full rent in queue (w/ $28.35/t rent limit) ■ [8 cents/t/d for off-warrant storage for first 12 months]	■ FOT and full LME rent in queue ■ 8 cts/t/d for off-warrant storage for first 12 months	■ FOT and full rent in queue ■ 8 cents/t/d for off-warrant storage after initial 90 days of free rent ■ After 12 months from shipment date metal reverts back to full rent	
Day-One Incentive	■ NA	■ Metro pays $33/t	■ Metro pays $33/t	■ Metro pays $58/t
Client Optionality	■ Cancel deal and sell metal/remove from Metro off-warrant storage or re-warrant with Metro			
Cancellation Terms	■ Client pays $65/t	■ Client pays $40/t	■ Client pays $60/t	■ Client pays $85/t
Re-warranting Terms	■ Metro pays incentive of $43/t	■ Metro pays incentive of $39/t if placed on warrant within 12 months	■ Metro pays incentive between $57/t-$69/t depending on timing of warranting (Sep '12 - Jan '13)	■ Metro pays incentive between $32/t-$44/t depending on timing of warranting (Nov '12 - Mar '13)
Status	■ 30,275mt re-issued prior to shipment and Metro reimbursed FOT ■ 69,725mt shipped to off-warrant and subsequently re-warranted	■ Re-warranted pursuant to original terms	■ Re-warranting terms re-negotiated to $95/t ■ Re-warranted	■ Re-warranting terms re-negotiated to $100/t ■ Re-warranted

Goldman Sachs

Overview Off-warrant Deals II/II

Aluminium

	DET-1459 (Feb 2012)	DET-1500 (Nov 2012)	DET-1524 (Feb 2013)
Tonnage (kt)	■ 50 kt	■ 182 kt	■ 50 kt
Rent & FOT Rate Structure	■ FOT and full rent in queue ■ 8 cents/t/d for off-warrant storage after initial 90 days of free rent ■ After 12 months from shipment date metal reverts back to full rent	■ FOT and full rent in queue ■ [8 cts/t/d for off-warrant storage after initial 90 days of free rent; to be confirmed]	■ FOT and full LME rent in queue ■ No off-warrant rent charge up to specified warrant date
Day-One Incentive	■ Metro pays $58/t	■ Metro pays $36/t	■ NA
Client Optionality	■ Cancel deal and sell metal/remove from Metro off-warrant storage or re-warrant with Metro		
Cancellation Terms	■ Client pays $85/t	■ Client pays $66/t	■ NA
Re-warranting Terms	■ Metro pays incentive between $35/t-$47/t depending on timing of warranting (Nov '12 - Mar '13)	■ Metro pays incentive $160/t if warranted by Dec'13 prime date	■ $198/t
Status	■ Shipped and left Metro's warehouse (off-warrant arrangement cancelled) ■ Metro received $58/t ($33/t FOT + $25/t day 1 payment) ■ Break-fee waived as part of DET-1500 deal negotiation	■ 75kt reissued prior to shipment on Dec'12 (FOT already reimbursed) ■ Metro received $20/t on all 75kt ■ Customer subsequently cancelled an additional 97kt under the same deal ■ As a result new deal total is 182kt, all of which is currently in the queue	■ Re-warranted pursuant to original terms

Goldman Sachs

Off-Warrant Deal Statistics

Off-warrant Deals (mt)	AH	ZS	PB	Total
Total Cancelled	757,000			
Of Which Unkown (DET-1500)	182,000			
Of Which Known	575,000			
Re-warranted (Original Terms)	219,725			
% of Cancelled (kown)	38%			
Re-warranted (Re-negotiated)	200,000			
% of Cancelled (kown)	35%			
Shipped Out	50,000			
% of Cancelled (kown)	9%			
Re-issued	105,275			
% of Cancelled (kown)	18%			

Redacted By
Permanent Subcommittee on Investigations

Linked Load-In Load-Out Proposal I/III

Impact on Metro Business

Effect of Load-In on Load-Out Requirements

		Metro Load-In Thresholds	**Impact on Load-Out Requirements**
Preliminary Period (Jul 2013 - Mar - 2014)	**Cat 1 Prelim**	Below 561kt	- No impact on outflows **up to normal load-out requirement** - Including Det-1500 Metro's pipeline has reached the threshold
	Cat 2 Prelim	Above 561kt	- 100% of inbound **above normal load-out requirement** added to outbound
First 3 Mths Period (Apr 2014 - Jun - 2014)	**Cat 1 First**	Below 189kt	- 50% of inbound **up to normal load-out requirement** added to outbound
	Cat 2 First	Above 189kt	- 50% of inbound **up to load-out requirement** added to outbound - 100% of inbound **above load-out requirement** added to outbound

Commentary

Linked Load-In Load-Out Proposal

- Proposal targets warehouses with queues above 100 calendar days only
- Intends to keep outflow above inflow rates for warehouse locations with queues
- Inflows are measured over a three month period and outflow rates adjusted upwards according to a formula in the three month following the measurement period (+1 month adjustment period)
- After a preliminary period formula adds 0.5 x inflow tonnage (up to min load-out) as well as 1x inflow tonnage (above min load-out)

Business Impact

Short Term:

- Due to less competition, Metro has been able to book several large inbound deals over the last few months
- Deals amount to an additional pipeline of around 210kt ("Post Rule Announcement Pipeline")
- If customer re-warrants DET-1500 with Metro, then the company has reached the threshold for the preliminary period

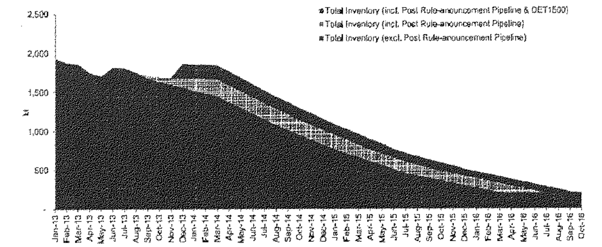
Medium/Long Term:

- Metro's incremental revenue for tonnage warranted post Apr-2014 will drop significantly
- Optimal strategy is likely to limit Detroit inflows at the level of normal load-out requirements (ie 189kt for the first period)
- Also given the current increased contango level, financing/rent deals are increasingly attractive

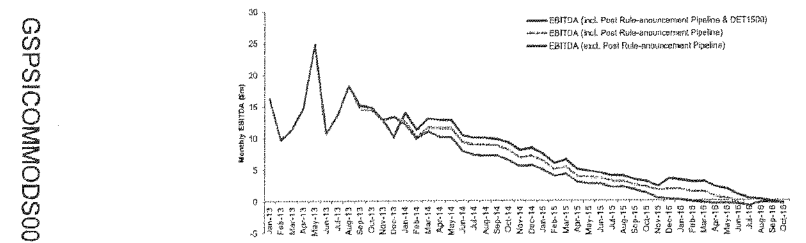
Linked Load-In Load-Out Proposal II/III

Updated Wind Down Scenario

Inventory Forecast (Wind Down)



EBITDA Forecast (Wind Down)



Commentary

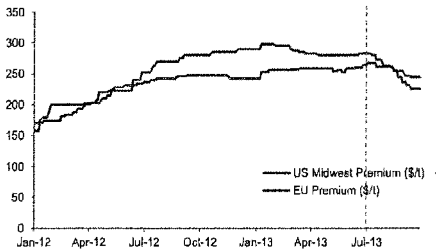
- Wind down scenario doesn't assume any inflows post the current pipeline
- Given that current pipeline stops before Apr-2014 and does not surpass the total min outflow there is no negative impact on the wind down
- However new load-out proposal does have an impact on future business as discussed on previous page

Goldman Sachs

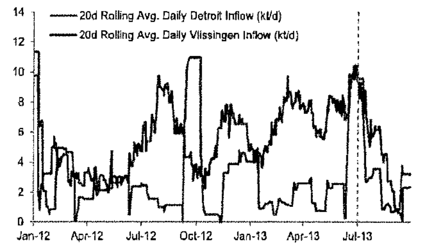
Linked Load-In Load-Out Proposal III/III

Market Reactions

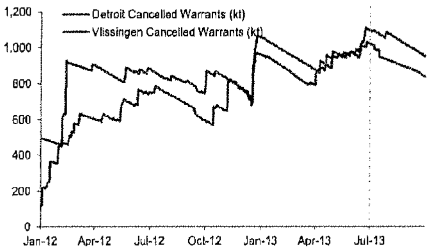
US/EU Physical Premium



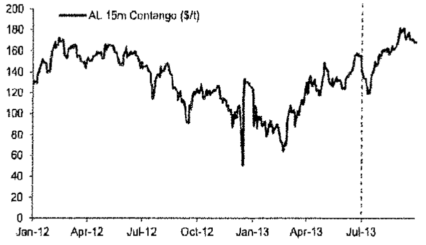
Inflow into Detroit/Vlissingen



Total Cancelled Warrants – Detroit / Vlissingen



Aluminium Contango (Cash to 15m)



III. Financial Review

Goldman Sachs

Metro's Annual Financial Performance

Based on Management Financials / Forecast

	(US$, million)		2009 A	2010 A	2011 A	2012 A	2013 YTD (Aug)	2013 - Mngt Proj.
	Inventory Balance	Start End	885kt 2,169kt	2,169kt 2,413kt	2,413kt 2,385kt	2,385kt 2,029kt	2,029kt 1,748kt	2,009kt 1,889kt
Revenue Items	**Rent Revenues**		$ 220m	$ 329m	$ 356m	$ 349m	$ 206m	$ 317m
	Rent Discounts	−	$ 31m	$ 64m	$ 59m	$ 43m	$ 14m	$ 19m
	FOT & Other Revenues	+	$ 22m	$ 25m	$ 52m	$ 59m*	$ 32m	$ 45m
	Total Revenues	=	**$ 211m**	**$ 290m**	**$ 349m**	**$ 365m**	**$ 224m**	**$ 343m**
Cost Items	**Freight Incentives**	−	$ 71m	$ 65m	$ 78m	$89 m*	$ 60m	$ 136m
	OPEX / G&A	−	$ 72m	$ 72m	$ 75m	$ 66m	$ 46m	$ 62m
	Total Cost	=	**$ 143m**	**$ 137m**	**$ 153m**	**$ 155**	**$ 106m**	**$ 198m**
	EBITDA	=	**$ 67m**	**$ 154m**	**$ 196m**	**$ 210**	**$ 118m**	**$ 145m**

* *FOT and Freight Incentives have been restated for 2012 due to accounting changes.*

Page(s)
Redacted By The
Permanent Subcommittee
on Investigation

IV. Director Compliance Training

Director Annual Compliance Training I/II

- It is very important that appropriate Chinese Walls are maintained between Goldman Sachs Commodities Sales and Trading and the Metro business. Much of Metro's business information is confidential and sensitive to either the underlying metal market or Metro's clients.
- Only Designated Individuals as stated in Appendix 1 of the "Information Barrier Policy: Metro and Other GS Businesses and Personnel" and individuals included on the Metro Confidential Information List, may receive Confidential Information from Metro
- Confidential Information" means, in respect of a Warehouse Company's business, any of the following, either ahead of general publication by the LME or while it remains commercially sensitive:
  a) stock figures for LME deliverable metal;
  b) all information relating to proposed or actual shipments of LME deliverable metal to be made or received by that Warehouse Company (including, in respect of shipments to be made by that Warehouse Company, any information of a commercially sensitive nature given to that Warehouse Company by the shipper, his agent or the recipient of that shipment, such as the identity of the customer, customs information, etc);
  c) all information related to the issuance, holding and cancellation of LME warrants by that Warehouse Company; and
  d) any other information in relation to specific LME brands which a Warehouse Company acquires through its warehousing activities.
- Metro and Designated Individuals, may only discuss with GS Sales and Trading, non-confidential information which is routinely shared with other third party clients. The types of discussions which are permitted between GS Sales and Trading and Metro are:
  — Discussions around warranting of metal on behalf Sales and Trading
  — Logistical information about the current environment
  — Logistical advice about moving or storing metal

Goldman Sachs

Director Annual Compliance Training II/II

- It is strictly prohibited for Metro staff and Designated Individuals, to disclose to GS Sales and Trading, any information about pending metal deposits or withdrawals or to give any specific information relating to storage terms, client deals or financing transactions. It is also prohibited for Metro staff and Designated Individuals to share with Sales and Trading any information which is reported to or published by the LME, ahead of publication to the market
- The information Board Members receive from Metro should be shared only amongst themselves and not with GS personnel. The sharing of such information will be subject to the firm's general procedures on wall crossings :
  - — All data should be stored on electronic drives which are not accessible by GS Metal Sales or Trading personnel.
  - — All confidential market sensitive data (as received under Section C of the Metro Information Barrier Policy ("Policy")) must be password protected when being sent outside of the limited group
  - — All hard copy information must be stored in the locked cabinets
  - — All conversations with Metro where the pre-defined market sensitive data is being discussed, including live discussions or telephone conversations, must take place away from the trading floors
  - — All redundant paperwork to be discarded in the confidential waste bins
- All information received from Metro must be on an anonymous basis i.e. client / metal owner names will not be disclosed by Metro.
- In the event the firm requires disclosure of a client name (in exceptional circumstances only), Compliance approval will need to first be obtained and an appropriate method and route of disclosure agreed upon.
- In the event that an individual is inadvertently or erroneously given information which they are prohibited from receiving under the provisions of the Policy, it is the responsibility of both the individual who provided the information and the individual who received the information to inform a member of Divisional Compliance IMMEDIATELY.

MITSI Holdings LLC

Board of Directors Meeting
Wednesday, 8th September 2010

Board Meeting Agenda

Wednesday, 8th September 2010

Time	Item
09.00 – 11.00 (NY Time)	**Business Review** ■ Regular CEO update ■ Market colour ■ Competitive Landscape ■ Key business metrics ■ Financials ■ Funding Update ■ Financing Spreads Update ■ Outbound Procedures
11.00 – 12.30 (NY Time)	**Federation Review Areas** ■ HCM : Benefit Liability, Employee Manual ■ Internal Audit : Metro Review ■ Legal : Update on Arondight and Sabre Metals
12.30 – 13.00 (NY Time)	**Any other business**

Goldman Sachs

I. Business Review

Page(s)
Redacted By The
Permanent Subcommittee
on Investigation

Goldman Sachs

Metro's Key Business Metrics

Evolution of Key Business Metrics

	Sep-09	Oct-09	Nov-09	Dec-09	Jan-10	Feb-10	Mar-10	Apr-10	May-10	Jun-10	Jul-10	Aug-10
Inventory Levels ('000 t)												
Actual Inventory												
Inflow	80	66	88	98	109	104	94	52	64	31	57	51
Outflow	(36)	(33)	(13)	(20)	(20)	(24)	(43)	(46)	(50)	(51)	(55)	(57)
End Balance	1,983	2,016	2,092	2,169	2,258	2,337	2,389	2,395	2,409	2,388	2,390	2,383
Inflow as % of End Balance	*4.1%*	*3.3%*	*4.2%*	*4.5%*	*4.8%*	*4.4%*	*3.9%*	*2.2%*	*2.6%*	*1.3%*	*2.4%*	*2.1%*
Outflow as % of End Balance	*1.8%*	*1.6%*	*0.6%*	*0.9%*	*0.9%*	*1.0%*	*1.8%*	*1.9%*	*2.1%*	*2.1%*	*2.3%*	*2.4%*
Model Inventory												
Inflow	80	74	101	122	47	47	47	47	47	48	48	48
Outflow	(36)	(37)	(33)	(31)	(35)	(35)	(35)	(35)	(36)	(36)	(36)	(36)
End Balance	1,963	1,999	2,068	2,159	2,171	2,183	2,195	2,207	2,219	2,230	2,242	2,254
Inflow as % of End Balance	*4.1%*	*3.7%*	*4.9%*	*5.6%*	*2.1%*	*2.1%*	*2.1%*	*2.1%*	*2.1%*	*2.1%*	*2.1%*	*2.1%*
Outflow as % of End Balance	*1.8%*	*1.8%*	*1.6%*	*1.4%*	*1.6%*	*1.6%*	*1.6%*	*1.6%*	*1.6%*	*1.6%*	*1.6%*	*1.6%*
Forward Locking												
Delivered / Off-Warrant					125	153	100	131	106	125	108	90
Cancelled Warrants					42	57	95	93	85	105	89	70
Key Business Drivers												
Cash Freight Incentive ($ '000)												
Actual	4,428	3,884	4,237	3,988	6,931	6,064	5,098	3,516	4,540	2,103	2,816	
Model	4,428	4,731	8,098	7,350	2,826	2,838	2,850	2,862	2,874	2,886	2,898	
Cash Freight Incentive ($/ton)												
Actual	55.11	55.40	48.09	40.86	63.55	58.35	64.12	67.83	71.26	68.77	51.21	
Model	55.11	64.16	60.49	60.35	60.53	60.62	60.61	60.60	60.59	60.58	60.56	
Financing Deals												
Tonnage ('000 t)	n/a	n/a	n/a	829	952	916	915	958	1,007	982	991	
Rent Discount/Share (% of Total LME Rent)												
Actual	19.2%	19.8%	17.9%	19.0%	18.1%	17.5%	19.3%	20.9%	21.3%	22.9%	20.5%	
Model	19.2%	17.0%	17.0%	17.0%	15.0%	15.0%	15.0%	15.0%	15.0%	15.0%	15.0%	
Key Financials ('000 US$)												
Revenues												
Actual	20,434	20,838	20,026	23,168	22,463	22,296	25,900	24,319	25,034	25,009	25,029	
Model	20,434	22,234	21,875	23,526	23,822	21,911	24,176	23,583	24,430	23,820	24,664	
Gross Profit												
Actual	8,426	8,759	7,855	11,295	10,914	11,209	14,860	12,494	13,497	14,961	16,103	
Model	8,426	8,618	7,930	8,884	11,963	10,706	12,744	12,576	13,561	14,131	15,450	

Note: Plan / Model numbers are based on Transaction Model and GCPI Scenario.

Commentary

Inventory Level

- Outflow activity continues to be heavy, however inventories remain above forecast
  - Outflow activity mainly driven by Detroit outflows which are continuing close to maximum capacity of ~1,500t/d

Key Business Drivers

- Lower cash freight incentives per ton in July P&L due to the reversal of previously over-accrued incentives
  - Actual freight incentives required to attract new metal have not come down from peak levels
- Tonnage under financing arrangements has slightly increased with majority of material currently tied-up until October, November and December
- Total rent discounts as % of LME revenues have slightly eased to 20.5% on the back of an accounting reversal of over-accrued rent share as well as rent discount payments
  - Actual discounts have remained high due to the reduced contango

Key Financials

- Strong gross profit performance in June and July 2010 on the back of high FOT and comparably low operating costs

Page(s)
Redacted By The
Permanent Subcommittee
on Investigation

Goldman Sachs

Metro's Current Inventory Level

As of End August 2010

Inventory Level at 31 August 2010

Region	Location	Aluminum	Alloy	NASAAC	Copper	Lead	Zinc	Steel	Total
Asia									
Redacted by the Permanent Subcommittee on Investigations									
Asia Total		210,595	2,980		375	800	111,725	2,730	329,205
EMEA									
Redacted by the Permanent Subcommittee on Investigations									
EMEA Total		74,381	5,150			4,625	6,550	1,932	92,638
USA	Detroit	897,675		38,980		44,150	88,550		1,069,355
Redacted by the Permanent Subcommittee on Investigations									
USA Total		1,286,325		102,080	202,975	72,400	297,700		1,961,480
Grand Total		1,571,301	8,130	102,080	203,350	77,825	415,975	4,662	2,383,323

Redacted By
Permanent Subcommittee on Investigations

Goldman Sachs

LME Inventory Level and Metro's Market Share

As of End August 2010

Current LME Inventory Level

Region	Location	Aluminum	Alloy	NASAAC	Copper	Lead	Nickel	Tin	Zinc	Steel	Total
Asia											
Redacted by the Permanent Subcommittee on Investigations											
Asia Total		1,165,875	7,460		60,700	16,375	15,540	13,590	133,525	4,810	1,417,875
EMEA											
Redacted by the Permanent Subcommittee on Investigations											
EMEA Total		1,136,300	59,660		46,775	94,675	103,122	435	38,900	34,450	1,514,317
USA	Detroit	926,600		39,120		44,150			88,650		1,098,520
Redacted by the Permanent Subcommittee on Investigations											
USA Total		2,140,300		144,680	291,050	80,450		190	450,125		3,106,795
Grand Total		4,442,475	67,120	144,680	398,525	191,500	118,662	14,215	622,550	39,260	6,038,987

Metro Market Share (% of Total LME Inventory)

Region	Location	Aluminum	Alloy	NASAAC	Copper	Lead	Nickel	Tin	Zinc	Steel	Total
Asia											
Asia Total		18%	40%		1%	5%			84%	57%	27%
EMEA											
EMEA Total		7%	9%			5%			17%	6%	6%
USA	Detroit	97%		100%		100%			100%		97%
USA Total		60%		71%	70%	90%			66%		63%
Grand Total		35%	12%	71%	61%	41%			67%	12%	39%

Goldman Sachs

Metro's Deal Book Pipeline

Current Pipeline Overview ('000 t)

	Contract	Metal Delivered	Balance Outstanding
Aluminium	597,382	431,463	165,920
Aluminium Alloy	3,500	2,079	1,421
Copper	46,900	45,952	949
Nickel	0	0	0
Steel	0	0	0
Lead	34,647	30,375	4,272
NASAAC	800	0	800
Zinc	188,603	161,155	27,447
Total	**871,832**	**671,024**	**200,809**

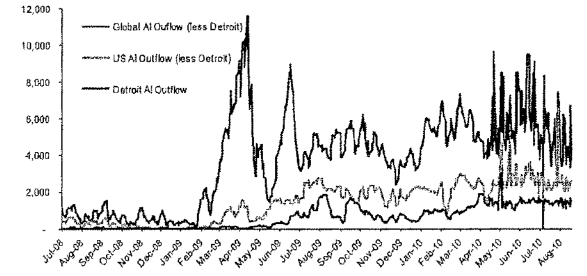
Key Take-Aways

- Metro's deal book pipeline consists of a series of committed deals based on verbal bilateral agreements with market counterparts
- This deal book represents a working tool for company management and is primarily used for financial and capacity planning purposes
- Balance outstanding has slightly decreased from 215k in July 2010 to 200k in August 2010 on the back of deliveries on negotiated deals

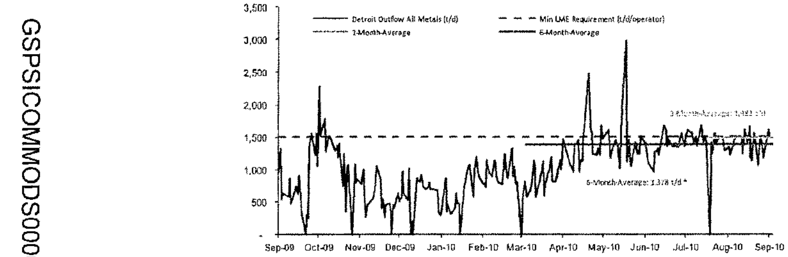
Page(s)
Redacted By The
Permanent Subcommittee
on Investigation

Update on Detroit Aluminium Outflow Activity

Global Daily Aluminium Outflows (t/d)



Detroit Daily Aluminium Outflows (t/d)



* 28 July 2010 outflow spike assumed to be at 1,500 t/d for 6-Month-Average (unadjusted 6-Month-Average is at 1,414 t/d); adjustment for re-warranting of 22k stock on 19 Aug 2010.

Background

- Average outflow through last month has continued at ~1,481t/d, while the six month average has increased to ~1,378t/d
  - — Slight shortfall is connected to trucks missing their allocated pick-up appointments
  - — Outbound delivery above 1,500 t/d on some days is due to railcar activity that bundles outbound deliveries
- Trader participants moving aluminium into cheaper off-warrant storage are still the main driver behind the outflow activity in Detroit

Goldman Sachs

II. Federation Review Areas

Internal Audit – Metro Process Audit

Scope of Audit

Topic	Main Review Coverage Areas	Previous Work
Compliance with Specific Conflict Management Procedures	■ GS controls to internally partition & restrict dissemination of Metro data. ■ GCPI and Metro application of Conflicts Management policy.	Review, amendment of employee manual and establishment of Chinese Wall by Compliance
Revenue recognition controls	■ Controls over complete and accurate booking of revenue (including reflection of rent discounts, processing early payments). ■ Appropriate segregation of duties. ■ Timely resolution of cash reconciliation breaks.	
Payments controls	■ Payment authorisation entitlements. ■ Controls over complete and accurate booking of payments (including freight incentives, transportation costs and as-used warehouse rent). ■ Appropriate segregation of duties / approval of payments. ■ Controls over client account set-up for payments. ■ Status of process enhancements around payments processed by Turkey operation.	
Payroll set-up and maintenance	■ Controls around set-up and maintenance of employee payroll details, reconciliations, segregation of duties including around bank account details.	
Inventory Management	■ SWORD vs Solomon reconciliation controls. ■ Quality and quantity checks for metals entering warehouses	
Physical Security	■ Reliance placed on previous review by Global Security ■ Audit of response to recommendations from Global Security	Review by Global Security Office
Transportation / 1,500t/d rule	■ No audit; reliance placed on previous review by Compliance	Review of 1,500t/d rule by Compliance
Onboarding of new "As-Used" Warehouses	■ No audit; reliance placed on previous review by BIG	Review of existing vendor portfolio and new vendors by BIG

Goldman Sachs

Internal Audit – Metro Process Audit

Timeline & Team

Timeline

- Site visit of 1 to 1.5 weeks to Metro Detroit offices and warehouses: proposed w/c September 20, 2010.
- Target date for completion of Audit: October 29, 2010 for presentation of findings to Metro Board in November 2010

GS Audit Team

Mark Emmins (Managing Director, GS Internal Audit)

Malcolm MacDonald (Vice President, GS Internal Audit)

Ian Campbell (Associate, GS Internal Audit)

Goldman Sachs

Metro International Trade Services

Management Brief – April 2013

Redacted By

Permanent Subcommittee on Investigations

Monthly Business Highlights

- Metro's financial performance in Mar 2013 was with a gross profit of $12m in line with a normal month at a low level of cancellations.
- Metro's inventories have decreased for the first time since 2011 below the initial acquisition model due to continued high outflows in Detroit and slow warranting activity throughout the month.
- However the company continues to have a strong 2013 pipeline and financial impact is mitigated by higher than expected rent levels.
- Please note that the Commodities' P&L indicated on the left hand side does not include any FOT revenue. Metro and GS Controllers continue to review the company's accounting policy on timing of FOT revenue recognition. Until the review has been concluded it was decided to defer the revenue for Commodities P&L accounting purposes.

Goldman Sachs

Metro International Trade Services

Management Brief – November 2011

Redacted By

Permanent Subcommittee on Investigations

Monthly Business Highlights

- Metro's financial performance in Oct 2011 was with $16.9m in line with Sept and at a more normalized level compared to previous months that were impacted by outflows from dropped financing deals.
- On-warrant inventories have further decreased to 2,200k with continued outflows in Detroit in addition to the remainder of the May tightness outflows and are now slightly below the level of the acquisition model forecast
  - However the gap between off-warrant inventories relative to on-warrant inventories has further widened and Metro expects to put in excess of 100kt material on-warrant in Dec 2011.
  - Metro's market share has stabilised at around 34% with the total LME inventory flatening out. Market expectations are that 2012 will see an increase in total on-warrant LME inventory, particularly in aluminium.
- Following a consultation process the LME has issued on Nov 17th, 2011 a notice with changes in the load out rates effective April 2012. Unfortunately the notice still does not clarify all the issues brought forward. Metro is in ongoing dialogue with the LME to resolve these.
- Metro is in the process of submitting its rent rates and Free-On-Truck charges for the rent cycle 2012 / 2013 which would become effective in April 2013.

Goldman Sachs

Metro International Trade Services

Management Brief – September 2010

Redacted By
Permanent Subcommittee on Investigations

Monthly Commentary

- Metro showed a strong gross profit performance, however slightly lower than in previous months due to several positive accounting reversals in July and an increase in book freight incentives
- Inventories have slightly decreased on the back of heavy outflow activity in Detroit, however Metro has started to enter into off-warrant deals which will allow the company to diversify its inventory holdings
- In September Metro entered into an off-warrant deal for 100,000mt aluminium which will increase the off-warrant balance over the coming months (inventory on the top right graph is displayed excluding and including off-warrant holdings going forward)

Metro International Trade Services

Management Brief – November 2010

Redacted By
Permanent Subcommittee on Investigations

Business Highlights

2010 YTD Business Performance

- Metro has shown a solid YTD financial performance with a total gross profit of US$140m up to October 2010 slightly above forecasts
- Inventory balances have remained above transaction model forecast throughout the year, with a slight shift from on-warrant to off-warrant balances
- Metro was able to repay almost all of its outstanding working capital balance due to rent prepayments; in addition the company expects to be able to pay an early dividend in December 2010

2011 Business Outlook

- Metro's deal pipeline has increased again towards the end of the year, indicating further metals inflows for 2011
- Several initiatives to broaden Metro's business model are under the way such as collaboration on a copper ETF and an increased focus on Asian markets

Goldman Sachs

Metro International Trade Services

Management Brief – September 2013

Redacted By
Permanent Subcommittee on Investigations

–
%
%
%
%
%
%
%
%
%
%
%

Monthly Business Highlights

- Metro's financial performance in Aug 2013 was with a gross profit of $17.7m slightly higher than in July. This was mainly driven by lower warehouse costs.
- Over the past few months Metro's inventory level and market share have stabilised. Continued outflows in Detroit are offset by a strong pipeline and inflows.
- Strong pipeline is due to market uncertainty and less competition following the LME's rule change announcement. However economics on inbound tonnage are expected to drop after April 2014 if the proposed rule changes are being implemented.
- Metro has submitted a short consultation paper focusing on technical points only in the LME's consultation process on the proposed outbound rule changes. Final LME decision on proposed rule change is expected before year end.

	A	C	D	H	L	N	R	W	X	Z	AA	AB	AD	AG	AK
1	Date:	Saturday, December 01, 2012										METRO INT'L TRADE SVCS Detroit			
2															
3	User:	GVAGNINI										Deal Book - Month End			
4															
5															
6															
7															
8															
9							Metal	Contracted		Balance		Amount Warranted MT	Amt Not	Freight Allowanc	ght Allowance2
10			Deal No.	Status	Deal Type		Type	Amt MT		Amt MT			Issued MT		
11															
12	BUSA														
13															
14		Accepted													
15															
16			BUS-1021	A	LME		CA	2,148		0		2,147	1	$ 70.00	$ 0.00
17															
18			BUS-1023	A	LME		CA	701		298		403	0	$ 70.00	$ 0.00
19															
20			BUS-1024	A	LME		CA	18,583		0		18,583	0	$ 70.00	$ 0.00
21															
22			BUS-1025	A	LME/ML		CA	1,250		14		1,236	0	$ 73.00	$ 0.00
23															
24			BUS-1026	A	LME/ML		CA	6,000		7		5,792	201	$ 78.50	$ 0.00
25															
26			BUS-1027	A	LME		CA	1,000		1,000		0	0	$ 70.00	$ 0.00
27															
28			BUS-1028	A	LME		CA	5,000		3,498		0	1,502	$ 80.00	$ 0.00
29															
30			BUS-1029	A			CA	550		550		0	0	$ 70.00	$ 0.00
31															
32															
33					Totals For:	BUSA		35,232	0	5,367	0	28,161	1,704		
34	CHIC														
35															
36		Accepted													
37															
38			CHI-1082	A	LME		CA	78		0		75	2	$ 56.00	$ 0.00
39															
40															
41					Totals For:	CHIC		78	0	0	0	75	2		
42	DETR														
43															
44		Accepted													
45															
46			DET-1444	A	LME		AH	98,922		14,982		59,119	24,820	$ 130.00	$ 0.00
47															
48			DET-1449	A	Non-LME		PB	10,000		869		0	9,111	$ 0.00	$ 0.00
49															
50			DET-1454	A	Non-LME		AH	100,000		100,000		0	0	$ 57.95	$ 0.00
51															
52			DET-1462A	A	LME		NA	1,000		721		279	0	$ 110.00	$ 0.00
53															
54			DET-1464NN	A	Non-LME		FT	193		6		0	187	$ 0.00	$ 0.00

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK
55																																					
56				DET-1473				A				LME						ZS					3,000			1,091		1,574		335			$ 144.00				$ 0.00
57																																					
58				DET-1474				A				LME						PB					3,000			2,526		474		0			$ 144.00				$ 0.00
59																																					
60				DET-1476				A				LME						AH					2,100			94		1,973		32			$ 192.00				$ 0.00
61				DET-1479				A				LME						AH					4,500			2,521		1,976		3			$ 80.00				$ 0.00
62																																					
63				DET-1481				A				LME						AH					10,107			76		9,909		121			$ 192.00				$ 0.00
64																																					
65				DET-1482				A				LME						AH					1,316			0		1,257		59			$ 191.00				$ 0.00
66																																					
67				DET-1483D				A				LME						AH					5,219			27		0		5,192			$ 184.00				$ 0.00
68																																					
69				DET-1483N				A				LME						AH					2,381			38		1,517		826			$ 184.00				$ 0.00
70																																					
71				DET-1484				A				LME						AH					3,608			1		3,590		17			$ 195.00				$ 0.00
72																																					
73				DET-1484B				A				LME						AH					2,420			1		2,396		23			$ 180.00				$ 0.00
74																																					
75				DET-1486				A				LME						AH					15,000			7,108		5,823		2,069			$ 192.00				$ 0.00
76																																					
77				DET-1487				A				LME						ZS					5,500			106		3,777		1,616			$ 165.00				$ 0.00
78																																					
79				DET-1488				A				LME						AH					1,650			6		1,642		2			$ 180.00				$ 0.00
80																																					
81				DET-1489				A				LME						AH					5,103			87		4,911		105			$ 195.50				$ 0.00
82																																					
83				DET-1490				A				LME						NA					400			0		0		400			$ 143.00				$ 0.00
84																																					
85				DET-1490A				A				LME						NA					400			400		0		0			$ 144.00				$ 0.00
86																																					
87				DET-1491				A				LME						AH					5,000			11		4,252		737			$ 195.45				$ 0.00
88																																					
89				DET-1492				A				LME						AH					5,045			22		4,946		76			$ 195.00				$ 0.00
90																																					
91				DET-1493				A				LME						AH					4,000			2		0		3,998			$ 180.00				$ 0.00
92																																					
93				DET-1494B				A				LME						AH					5,950			3		0		5,947			$ 180.45				$ 0.00
94																																					
95				DET-1494R				A				LME						AH					4,050			107		0		3,943			$ 195.45				$ 0.00
96																																					
97				DET-1495				A				LME						AH					5,000			12		0		4,988			$ 195.00				$ 0.00
98																																					
99				DET-1496				A				LME						AH					2,700			468		0		2,232			$ 195.45				$ 0.00
100																																					
101				DET-1497				A				LME						AH					5,000			2,369		0		2,631			$ 195.45				$ 5.60
102																																					
103				DET-1498				A				LME						AH					5,400			4,624		0		776			$ 195.45				$ 0.00
104																																					
105				DET-1499				A				LME						AH					2,000			2,000		0		0			$ 186.05				$ 0.00
106																																					
107				DET-1500				A				Non-LME						AH					160,075			160,075		0		0			$ 196.00				$ 0.00
108																																					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK
109				DET-1501				A				LME						AH					10,000			6,490		0		3,510			$ 195.45				$ 0.00
110																																					
111				DET-1502				A				LME						AH					10,000			9,335		0		665			$ 195.50				$ 0.00
112																																					
113				DET-1503				A				LME						AH					3,000			3,000		0		0			$ 195.45				$ 0.00
114																																					
115				DET-1504				A				Non-LME						AH					3,880			3,880		0		0			$ 0.00				$ 0.00
116																																					
117				DET-1505				A				LME						AH					10,000			10,000		0		0			$ 35.95				$ 0.00
118																																					
119				DET-1506NG				A				Non-LME						AH					22,000			22,000		0		0			$ 0.00				$ 0.00
120																																					
121				DET-1507				A				LME						AH					2,100			2,100		0		0			$ 195.45				$ 0.00
122																																					
123				DET-1508				A				LME						AH					5,600			5,600		0		0			$ 195.00				$ 0.00
124																																					
125				DET-1509				A				LME						AH					10,000			10,000		0		0			$ 195.45				$ 0.00
126																																					
127												**Totals For:**		DETR									**556,619**			**372,781**		**109,418**		**74,420**							
128	GWAN																																				
129			**Accepted**																																		
130																																					
131				GWA-1012				A				LME/ML						CA					12,335			0		12,333		3			$ 73.00				$ 0.00
132																																					
133				GWA-1013				A				LME/ML						CA					5,405			174		5,214		17			$ 78.50				$ 0.00
134																																					
135				GWA-1014				A				LME						CA					10,000			10,000		0		0			$ 72.00				$ 0.00
136																																					
137												**Totals For:**		GWAN									**27,740**			**10,174**		**17,547**		**20**							
138	JOHO																																				
139																																					
140			**Accepted**																																		
141																																					
142				JOH-1101				A				LME						PB					1,500			24		0		1,476			$ 58.00				$ 0.00
143																																					
144												**Totals For:**		JOHO									**1,500**			**24**		**0**		**1,476**							
145	KEYLTD																																				
146																																					
147			**Accepted**																																		
148																																					
149				HUL-1069A				A				LME/RS/RS2						CA					3,000			3,000		0		0			$ 15.00				$ 0.00
150																																					
151												**Totals For:**		KEYLTD									**3,000**			**3,000**		**0**		**0**							
152	NEWO																																				
153																																					
154			**Accepted**																																		
155																																					
156				NO-1228				A				LME/RS						CA					142,250			2,299		139,672		279			$ 70.00				$ 0.00
157																																					
158				NO-1257TRX				A				Non-LME						ZS					1,228			0		0		1,228			$ 0.00				$ 0.00
159																																					
160				NO-1258				A				LME						ZS					4,000			4,000		0		0			$ 120.00				$ 0.00
161																																					
162				NO-1259				A				LME						ZS					100,000			100,000		0		0			$ 115.00				$ 0.00

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK
163																																					
164												Totals For:		NEWO									247,478			106,299		139,672		1,507							
165	POKL																																				
166																																					
167			Accepted																																		
168																																					
169				PKL-1044				A				LME/ML						AA					425			10		281		135			$ 65.00				$ 0.00
170																																					
171												Totals For:		POKL									425			10		281		135							
172	STLO																																				
173																																					
174			Accepted																																		
175																																					
176				STL-1078				A				LME/RS						CA					49,200			7,076		42,055		69			$ 70.00				$ 0.00
177																																					
178												Totals For:		STLO									49,200			7,076		42,055		69							
179																																					
180													Report Totals										921,272			504,731		337,208		79,333							

Company Number: 3541413

NUFCOR INTERNATIONAL LIMITED

DIRECTORS' REPORT AND FINANCIAL STATEMENTS

31 DECEMBER 2011

Page(s)
Redacted By The
Permanent Subcommittee
on Investigation

9. STOCK

Purchased for resale:

	31 December 2011 US$	31 December 2010 US$
Uranium	157,835,661	112,846,611
Uranium conversion services	3,071,250	8,437,293
	160,906,911	**121,283,904**

At 31 December 2010, uranium conversion services were on loan to counterparties. The replacement cost of the uranium held at 31 December 2011, based on market values at the balance sheet date, was US$157,336,054 (31 December 2010: US$153,910,271).

Stocks of uranium and uranium conversion services are valued at the lower of cost or net realisable value. Net realisable value is determined after taking account of sales prices under any matching forward sales contracts entered into prior to the year end. In the event that the company has forward sales contracts to sell stocks at a price below both the forward cost of stock and the market price at the balance sheet date, provision is made against the carrying value of stock for the difference between the contract value and the lower of the forward cost of stock and market price.

Redacted By
Permanent Subcommittee on Investigations

Page(s) Redacted By The Permanent Subcommittee on Investigation

Company Number: 3541413

NUFCOR INTERNATIONAL LIMITED

DIRECTORS' REPORT AND FINANCIAL STATEMENTS

31 DECEMBER 2012

Page(s)
Redacted By The
Permanent Subcommittee
on Investigation

9. STOCK

Purchased for resale:

	31 December 2012 US$	31 December 2011 US$
Uranium	230,285,138	157,835,661
Uranium conversion services	2,246,812	3,071,250
	232,531,950	**160,906,911**

The replacement cost of the uranium held at 31 December 2012, based on market values at the balance sheet date, was US$230,054,464 (31 December 2011: US$157,336,054).

Stocks of uranium and uranium conversion services are valued at the lower of cost or net realisable value. Net realisable value is determined after taking account of sales prices under any matching forward sales contracts entered into prior to the year end. In the event that the company has forward sales contracts to sell stocks at a price below both the forward cost of stock and the market price at the balance sheet date, provision is made against the carrying value of stock for the difference between the contract value and the lower of the forward cost of stock and market price.

Redacted By

Permanent Subcommittee on Investigations

Page(s)
Redacted By The
Permanent Subcommittee
on Investigation

Reporter Name: *GOLDMAN SACHS GROUP, INC., THE*
ID RSSD: *2380443*
Report Confirmation No.: *117305*
Total events submitted: *2*
Total pages: *4*
Submitted to: *Federal Reserve Bank of New York*
Date submitted: *(Pending)*

FR Y-10
OMB Number 7100-0297
Approval expires December 31, 2014
Page 1 of 4

Board of Governors of the Federal Reserve System

Report of Changes in Organizational Structure—FR Y-10

This report is required by law: Sections 4(k) and 5(c)(1)(A) of the Bank Holding Company Act (12 U.S.C. §§ 1843(k), 1844(c)(1)(A)); Section 8(a) of the International Banking Act (12 U.S.C. § 3106(a)); Sections 11(a)(1), 25(7) and 25A of the Federal Reserve Act (12 U.S.C. §§ 248(a)(1), 321, 601, 611a and 615); Section 211.13(c) of Regulation K (12 CFR 211.13(c)); and Sections 225.5(b) and 225.87 of Regulation Y (12 CFR 225.5(b) and 225.87).

Reporter's Name, Street, and Mailing Address

GOLDMAN SACHS GROUP, INC., THE
Legal Name

200 West Street
Physical Street Address

NEW YORK, NEW YORK
City and County

NY, UNITED STATES — 10282
State/Province, Country — Zip/Postal Code

Submission Date:

____
(MM/DD/YYYY)

____
Reporter's Mailing Address (if different from physical street address)

____
Mailing City

________________ ________
Mailing State/Province, Country — Zip/Postal Code

Contact's Name and Mailing Address for this Report

James Fertitta — Vice President
Name — Title

801-741-5809
Area Code/Phone Number/Extension

801-884-1307
Area Code/FAX Number

james.fertitta@gs.com
E-mail Address

222 South Main Street 12th Floor
Contact's Mailing Address (if different from reporter's)

Salt Lake City
Mailing City

UT, UNITED STATES — 84101
Mailing State/Province, Country — Zip/Postal Code

Authorized Official

I, ________________ ________________ ,
Printed Name — Title

am an authorized official of this company named above, and hereby declare that this report is true and complete to the best of my knowledge and belief.

Filed Electronically — ________________
Signature of Authorized Official — Date of Signature

For Federal Reserve Bank Use Only

ID_RSSD 2380443

Does the reporter request confidential treatment for any portion of this submission?

☐ Yes Please identify the report schedule(s) and item(s) to which this request applies:

____

☐ In accordance with the instructions on page GEN-4, a letter justifying the request is being provided.

☐ The information for which confidential treatment is sought is being submitted separately and labeled "Confidential."

☒ No

Public reporting burden for the information collection is estimated to average 1.75 hours per response, including time to gather and maintain the data and complete the information collection. The Federal Reserve may not conduct or sponsor, and a person is not required to respond to any information collection unless it displays a currently valid OMB control number.

Report/Event Confirmation No.: 117305/360249

For Federal Reserve Bank Use Only	
ID_RSSD_TOP (top tier BHC)	2380443
ID_RSSD_E1 (direct holder)	3932193
ID_RSSD_E2 (reportable company)	

FR Y-10
Page 2 of 4

4(k) Schedule

Use this schedule to provide required post-transaction notice for activities, formations and acquisitions of companies, and large merchant banking and insurance company investments authorized under Section 4(k) of the Bank Holding Company Act.

Check box if correction ☐

Post-Transaction Notice Section

1.a. Event Type (check one only):

1.b. **Date of Event:** ____________ (MM/DD/YYYY)

- ☐ New Activity Commenced Directly by an FHC or Through an Existing Subsidiary
- ☐ New Activity Commenced Through Acquisition of a Going Concern
- ☐ New Activity Commenced Through a De Novo Formation

2. New Activities Commenced

For the event type checked in item 1.a, report the FRS Legal Authority code and the five or six-digit NAICS activity code for each new activity. Provide a text description of the activity if unable to identify a five or six-digit NAICS activity corresponding to the activity.

	FRS Legal Authority Code (check one)	NAICS Activity Code	Description of Activity
2.a.	☐ 311 / ☐ 312		
2.b.	☐ 311 / ☐ 312		
2.c.	☐ 311 / ☐ 312		

DRAFT

Large Merchant Banking or Insurance Company Investments Section

Use this section to report certain merchant banking or insurance company investments when the FHC directly or indirectly acquires more than 5 percent of a Nonbanking Company's voting shares or total equity or assets and the cost of the investment exceeds:

(1) $200 million; or
(2) 5 percent of tier 1 capital, whichever is less.

1.a. Event Type (check one only):

1.b. **Date of Event:** 06/22/2012 (MM/DD/YYYY)

- ☒ Initial Investment
- ☐ Divestitures
- ☐ No Longer Reportable
- ☐ Name Changes

2. Direct Holder's Name and Location

Legal Name: GOLDMAN SACHS GLOBAL HOLDINGS L.L.C.

City and County: NEW YORK, NEW YORK
State/Province: NY
Country: UNITED STATES

3. Nonbanking Company's Name and Location

Legal Name: COLOMBIA PURCHASE CO. S.A.S.

City and County: BOGOTA
State/Province:
Country: COLOMBIA

4. Direct Holder's Investment in Nonbanking Company
Report the percentage amount in a, b, or c, as applicable.

a. 99 % Voting Securities

b. ______ % Total Equity

c. ______ % Assets

5. Initial Aggregate Cost of Investment to the FHC: $ 365 (in millions of U.S. dollars)

Report/Event Confirmation No.: 117305/360251

For Federal Reserve Bank Use Only
ID_RSSD_TOP (top tier BHC) 2380443
ID_RSSD_E1 (direct holder) 3932689
ID_RSSD_E2 (reportable company) ______

FR Y-10
Page 3 of 4

4(k) Schedule

Use this schedule to provide required post-transaction notice for activities, formations and acquisitions of companies, and large merchant banking and insurance company investments authorized under Section 4(k) of the Bank Holding Company Act.

Check box if correction ☐

Post-Transaction Notice Section

1.a. Event Type (check one only):

1.b. **Date of Event:** ______ (MM/DD/YYYY)

- ☐ New Activity Commenced Directly by an FHC or Through an Existing Subsidiary
- ☐ New Activity Commenced Through Acquisition of a Going Concern
- ☐ New Activity Commenced Through a De Novo Formation

2. New Activities Commenced

For the event type checked in item 1.a, report the FRS Legal Authority code and the five or six-digit NAICS activity code for each new activity. Provide a text description of the activity if unable to identify a five or six-digit NAICS activity corresponding to the activity.

	FRS Legal Authority Code (check one)	NAICS Activity Code	Description of Activity
2.a.	☐ 311 / ☐ 312		
2.b.	☐ 311 / ☐ 312		
2.c.	☐ 311 / ☐ 312		

DRAFT

Large Merchant Banking or Insurance Company Investments Section

Use this section to report certain merchant banking or insurance company investments when the FHC directly or indirectly acquires more than 5 percent of a Nonbanking Company's voting shares or total equity or assets and the cost of the investment exceeds:
(1) $200 million; or
(2) 5 percent of tier 1 capital, whichever is less.

1.a. Event Type (check one only):

1.b. **Date of Event:** 06/22/2012 (MM/DD/YYYY)

- ☒ Initial Investment
- ☐ Divestitures
- ☐ No Longer Reportable
- ☐ Name Changes

2. Direct Holder's Name and Location

GS POWER HOLDINGS LLC
Legal Name

NEW YORK, NEW YORK
City and County

NY
State/Province

UNITED STATES
Country

3. Nonbanking Company's Name and Location

COLOMBIA PURCHASE CO. S.A.S.
Legal Name

BOGOTA
City and County

______
State/Province

COLOMBIA
Country

4. Direct Holder's Investment in Nonbanking Company
Report the percentage amount in a, b, or c, as applicable.

a. 1 % Voting Securities

b. ______ % Total Equity

c. ______ % Assets

5. Initial Aggregate Cost of Investment to the FHC: $ 365 (in millions of U.S. dollars)

FR Y-10 Online

Supplemental Information

This page contains information designed to identify or describe the transaction(s) within the report.

Reporter Name and Address

GOLDMAN SACHS GROUP, INC., THE
200 West Street
NEW YORK, NY 10282
UNITED STATES

Contact Information

James Fertitta
801-741-5809

Report Description/Comments

COLOMBIA PURCHASE CO. S.A.S. - Initial Investment

Permissible under BHCA 4(c), but investment complies with the Merchant Banking regulations.

DRAFT

C. I. Colombian Natural Resources I S. A. S.
Financial Statements

December 31, 2011 and 2010

External Auditor's Report

To the General shareholders' Meeting of
C.I. Colombian Natural Resources I S. A. S.

March 16, 2012

I have audited the Financial Statements of C.I. Colombian Natural Resources I S. A. S. as of 31 December of 2011 and its Profit and Loss Statement, Changes in Shareholders' Equity Statement, Changes in the Financial Situation and Cash Flow Statement for the years ended on those dates, and the summary of the main accounting policies established in Note 2 and in other explanatory notes. The financial statements of C. I. Natural Resources I S. A. S. of year 2010 were audited by another public accountant member of PricewaterhouseCoopers, who, in the report dated on the 4th of March of 2011, expressed a clean opinion thereof.

The management is responsible for the adequate preparation and presentation of these financial statements according to the accounting principles generally accepted in Colombia for institutions under the surveillance of the Superintendence of Companies. This responsibility includes to design, implement, and maintain the relevant internal control for these financial statements to be free from errors of a relative importance due to fraud or error; to select and apply the adequate accounting policies, as well as to establish accounting estimates that are reasonable under the circumstances.

My responsibility is to express an opinion about the financial statements based on my audits. I obtained the necessary information to comply with my external audit functions and I carried out my work according to audit standards generally accepted in Colombia. These standards require me to plan and make the audit to obtain a reasonable security of whether the financial statements are free from errors of a relative importance.

The audit of financial statements comprises, among other things, to carry out procedures to obtain audit evidence of the values and disclosures of the financial statements. The procedures selected depend of the opinion of the auditor, including the assessment of the risk of errors of a relative importance in the financial statements. In the evaluation of these risks, the external auditor considers the relevant internal control of the entity for the reasonable preparation of the financial statements, in order to design audit procedures that are appropriate in the circumstances. An audit also includes the assessment of the accounting policies used and of the accounting estimates made by the management of the company, as well as to assess the presentation of financial statements together. I consider that the audit evidence obtained by me provides a reasonable basis to the opinion given below.

To the General Shareholders' Meeting of
C.I. Colombian Natural Resources I S. A. S.

March 16, 2012

In my opinion, the aforementioned financial statements audited by me, which were faithfully taken from the books present, in a reasonable manner, in all significant aspects, the financial condition of C.I. Colombian Natural Resources I S. A. S. as of December 31, 2011 and the results of its operations, the changes in its financial situation and its cash flows for the year ended on that date, according to accounting principles generally accepted in Colombia for institutions under the vigilance of the Superintendence of Companies, which were uniformly applied with those of the previous year.

Based on the result of my tests, in my opinion:

a. The accounting of the Company has been kept according to the legal provisions and the accounting technique.

b. The operations recorded in the books and the acts of the management are adjusted to the by – laws and to the decisions of the General Shareholders' Meeting.

c. The mail, vouchers of accounts and the minutes and shareholders' books are correctly kept and conserved.

d. There are adequate internal control measures, and measures of conservation and custody of the goods of the company and of third parties that are in its possession.

e. There is agreement between the financial statements attached and the performance report prepared by the management.

f. The information contained in the returns of contributions made to the Integral Social Security System, in particular regarding the members and their income basis for the contributions has been taken from the accounting records and supports. The Company is not in default regarding the payments to the Integral Social Security System.

Signed,
Patricia Muñoz Echeverri
External Auditor
Professional Card No. 161655-T
Member of PricewaterhouseCoopers Ltda.

Page(s)
Redacted By The
Permanent Subcommittee
on Investigation

C.I. COLOMBIAN NATURAL RESOURCES I S.A.S.

INCOME STATEMENT
(in thousands of Colombian pesos)

		Year ended on 31st of December of	
	Notes	2011	2010
Operational revenues, net	17	399,082,775	127,719,241

Redacted By

Permanent Subcommittee on Investigations

Juan Carlos Gómez Fernández Legal Representative	Sofia Acevedo M. Accountant C. P. A. Card No. 39.268-T	Patricia Muñoz Echeverry. External Auditor C. P. A. Card No. 161655-T Member of PricewaterhouseCoopers Ltda. (See Report Attached)

Page(s)
Redacted By The
Permanent Subcommittee
on Investigation

NOTE 16 - MEMORANDA ACCOUNTS

Redacted By
Permanent Subcommittee on Investigations

Commitments

The following is a summary of the main commitments in force as of December 31, 2011:

(i) Coal Sale Agreements

The company enters into sale and purchase agreements for the supply of coal. The main obligations derived from said contracts are:

- To supply coal as sale for domestic sale as well as for export.
- To comply with the schedule of deliveries in time and quality to the satisfaction of the buyer.
- To deliver the quantity of pithead coal, (onto truck or loaded on the railway line (railcars)) or at port, according to the negotiation.

As of December 31, 2011 there were commitments for the sale of coal to be dispatched as from 2012, according to the following detail:

Third Party	Quantity (tons)	Average price per ton (US$)
Vitol	2,500,000	87,59
J. Aron & Company S. A.	1,421,500	73,68
E CL S. A.	822,405	86,54
Drax Power Limited	82,405	98,64
Electrabel	44,000	91,42
Pacific Coal	15,000	92,87
Zona Franca Argos	4,816	73,12

(ii) Fenoco S. A.

Entry Rights

In 2010 CI CNR I SAS, acquired the railway line entry rights, a contract between the new shareholders of Fenoco S. A., as commission for the access to its railway network, for US$ 166 million. Said amount shall be paid by the shareholders proportionally to their shareholding, in order to give it economic feasibility and to be able to reestablish the railway line of the north of the country, including the construction of the second railway line. The Company, being the owner of 8.434%, must pay around US$ 14 million. This right shall be paid one – off, but in installments, according to Fenoco S. A's cash requirements. In the transaction of the 19th of March, Compañía Carbones del Cesar S. A., assigned to the Company the rights on that contract and the balance due is the amount of US$ 1,612,984.20 (US$ 2,023,720 - 2010)

Take or pay

As part of the same commitment, the firm purchase agreement – "Take or Pay" was established, whereby the Company has the right to transport 9,800,000 tons of coal between years 2010 and 2014.

In case that the annual transportation volume is not met, the company must unconditionally pay the fee for the entire take or pay volume that it guaranteed to transport. The remaining take or pay volume paid by the user generates a credit in tons in favor of the company, which allows it to transport an equal volume in the next two years, paying 20% of the fee to Fenoco.

The take or pay commitment for years 2010 to 2014 is of 2,450,000 tons per year.

In 2011 the Company recorded an account payable for $6,903,524 (US$ 3,681,006,) and for $10,770,272 (US$ 5,627,160) that correspond to the take or pay and its counterbalance was a deferred asset.

The Company recorded a provision of $ 5,019,173 (US$ 2,622,375) corresponding to the take or pay of year 2008, which is the subject of conciliation proceedings with Fenoco.

In the transaction of the 19th of March of 2010, the Company committed to pay the 2009 Take or Pay, paying for that concept the sum of $ 9,690,302 (US$ 4,740,318.89) that was recorded as deferred asset to be amortized in two years. As of the 31st of December, the take or pay of 2009 has been amortized in full.

(iii) Consorcio Minero del Cesar

In the transaction of the 19th of March of 2010, the Company acquired the rights and obligations on the commercial offer entered into by Compañía Carbones del Cesar S. A. on the 31st of August of 2005 with the Consorcio Minero del Cesar - CMC, made up by the companies called Construcciones El Cóndor S. A., S. P. Explanaciones S. A. and Tulenesa S. A., according to a document called Consortium Agreement.

The purpose of the offer is the hiring of the Consortium to carry out all activities necessary for the extraction of a quantity equivalent to the total of the coal reserves mineable from the La Francia mine, for a term of no less than six years. The remuneration of the Consortium is established by rates determined according to the type of activities performed.

In 2008 Masering S. A., came to take part in the development of the offer with a majority share of 51% of the Consortium.

On the 16th of April of 2008, a Memorandum of Understanding (MOU),was signed with the purpose of:

- Reviewing the issues of the legally binding offer dated on August 31, 2005, which includes, among other things, the application of the purpose, with the incorporation of the mining exploitation of Pit B´ Concession Contract GAK 152.
- Faced with the need to acquire equipment for the operation of the mine and in order to share the risk of the advanced acquisition of equipment, the company financed the 16% corresponding to the down payment of the equipment for US$ 7,735,589, which shall be deducted from the amount payable to the CMC, with a grace term of 12 months, with no interest..

On May of 2009 Compañía Carbones del Cesar S. A. (CDC) declared the force majeure and ordered the operator of the La Francia I Mine (Consorcio Minero del Cesar – CMC) to suspend operations; therefore, there was no production of coal during the period between June 5, 2009 and August 12 2009.

On that date (12 August 2009) an Operations' Resumption Agreement was signed, which brings together all the aspects and obligations included in the Memorandum of Understanding, rendering it ineffective, and establishing, among other, the following items:

- Agreement on the manner in which CMC had to restart the activities
- To make commitments regarding the current annual, quarterly and monthly mining plan, as well as some minimum guarantees of production of sterile and coal by CDC and in favor of CMC
- Notification of CDC to CMC of the possibility of the sale of all or substantially all of its assets, including the assignment of mining title No. 5160 that operates the CMC.
- The payment by CDC to CMC of some items such as conciliation bonuses to some of the workers of the CMC,
- Regulation and payments, in the event of an early termination of the offer as a result of CDC'S decision, of the installments of some leasing contracts on equipment that the CMC has to carry out its mining activity with CDC and standby costs, among other.
- To amortize as of April 1, 2010, the sum of US$ 7.735.589 received as advanced payment for the acquisition of equipment for the operation of the La Francia Mine.

On January 6, 2010 CDC signs with CMC Addendum No. 2 to the Resumption Minutes, which regulates, upon request of CDC, the reduction of the volumes of production of waste and of extraction of coal as of November of 2009 and until December 31, 2010, and consequently agrees, among other things, on the following relevant items:

- As a consequence of the reduction of the production mentioned above, the CMC had to leave in stand by some equipment acquired under leasing, so CDC committed to pay the CMC the sums corresponding to a percentage of the leasing installments, interest as well as the insurance of the equipment left in stand by, as a proportion of the effective standby of such equipment. As a result of this Commitment, the company paid to CMC in 2010 US$ 5,747,237, which shall be amortized as from April 1, 2011 in quarterly installments.
- As a result of the reduction of the minimum monthly production and the consequent stand by of the mine's equipment and personnel, CMC had to implement a voluntary retirement plan for 120 workers, for which CDC would contribute with the sum of $2.099.231.000.
- CMC had to refund to CDC the amounts of money that were not effectively used within the aforementioned retirement plan.

On March 18, 2010, CDC, CMR and the Company entered into an Agreement for the Assignment and Assumption of Obligations, whereby CDC transferred to the Company each and all of the rights and obligations set forth in the commercial offer dated on August 31, 2005, the resumption minutes of August 12, 2009 and the addendums to the resumption minutes dated on October 20, 2009 and January 6, 2010, which was incorporated to the Assignment Agreement of March 18, 2010 whereby CDC transfers all of its rights and obligations with CMC to the Company..

NOTE 17 - OPERATIONAL REVENUES

Below is the detail of the operational revenues during year ended on the 31st of December:

	2011	2010
Coal		
J. Aron & Company	142,797,251	57,219,556
C.I. Vale Colombia S.A.S.	98,739,575	6,317,058
Vitol S. A.	83,031,680	-
Aes Argentina Generación S. A.	26,408,358	-
Drax Power Limited	13,011,799	-
Zona Franca Argos S. A.S.	11,880,075	9,344,211
E.C I S. A.	9,412,741	7,978,259
Empresa Eléctrica Guacolda S. A.	6,411,538	-
Pacific Coal S. A.	5,788,591	-
Cementos Argos S. A.	1,597,253	1,710,143
Transportes Sánchez Polo S. A.	2,487	-
Carbones Colombianos Del Cerrejón S. A.	1,427	-
Electroandina S. A.	-	12,070,936
Glencore International A.G.	-	29,183,890
Tradexa S. A.	-	1,647,881
Vale Coal Colombia Ltd. Sucursal Colombia	-	2,247,308
	399,082,775	127,719,241

The company sold 2,397,672 tons of coal during 2011 (1,149,623 tons - 2010).

Page(s)
Redacted By The
Permanent Subcommittee
on Investigation

PSI Submission, Goldman Sachs – 10.2.14

Exhibit D

Transactions Associated with the Constellation Energy Transactions

(a) Financial coal instruments: 693 coal swaps with a total notional of 37,890,000 MT (assumes no netting across buy/sells)

2009	2010	2011	2012	2013	Grand Total
26,055,000	7,815,000	2,820,000	840,000	360,000	37,890,000

(b) Physical coal contracts: 58 involving 39 clients (7 miners, 26 power utilities and 6 traders).

	MT
Buy FOB	27,110,712
Sell FOB	6,960,000
Agreements with Transport	
Buy CIF	500,000
Sell CIF	2,300,000
Buy DES/DDP	450,000
Sell DES/DDP	3,440,000
	40,760,712

DECREE 3083 OF 2007
(August 15)

Official Gazette No. 46.721 of the 15th of August of 2007

Republic of Colombia

TRANSPORT MINISTRY

(3083)

15 AUG 2007

"Whereby Article 39 of Decree – Law 2811 of 1974 and Article 3 of Law 336 of 1996 are regulated"

THE PRESIDENT OF THE REPUBLIC OF COLOMBIA

Pursuant to his constitutional and legal powers, in particular the one granted by Section 11 of Article 189 of the National constitution, Decree – Law 2811 of 1974 and Law 336 of 1996

DECREES

FIRST ARTICLE: As of 1 June 2010, in all sea ports of the country, the loading of coal onto ships shall be made by means of direct loading systems, using, for such purpose, encased conveyor belts or another equivalent technological system. The loading site shall be the closest to the beach line that prevents the berthing for loading, by the execution of adequate wharfs, maneuver zones and access canals.

The sea ports that as of the enforcement of this decree are authorized for the operation of coal shall be compatible with the Integral Port Zoning Plan and have the system established in the previous paragraph.

PARAGRAPH: As of the enforceability of this Decree, the interested party must file for and obtain the permits, concessions, authorizations and / or modifications that may be required to ensure the compliance with the provisions of this article, notwithstanding any other requirement demanded by the relevant authorities.

SECOND ARTICLE: The operation of the coal ports must be made according to the best practices and clean technologies as to avoid the dispersion of coal particles including, among other, efficient moisturizing systems, control of the height of the stockpiles and coal offloading piles, reduction of stocks and control of emissions in transference points. These operations shall boast barriers or other devices to control the dispersion of the aforementioned particles outside the handling areas.

THIRD ARTICLE: For the application of the environmental license, all new mining projects must include the studies of the transport mode conditions from the exploitation site up to the coal's shipping port.

FOURTH ARTICLE: This decree is in force as of its issue date.

TO BE PUBLISHED AND FULFILLED

Given in Bogotá, today,

15 AUG 2007

{Signed by the President}

{Signed by the Mines Minister}
HERNAN MARTINEZ TORRES
MINISTER OF MINES AND ENERGY

{Signed by the Environment Minister}
JUAN LOZANO RAMIREZ
MINISTER OF THE ENVIRONMENT, HOUSING AND TERRITORIAL DEVELOPMENT

{Signed by the Transport Minister}
ANDRES URIEL GALLEGO MEJIA
MINISTER OF TRANSPORT

DECREE 4286 OF 2009

(4 NOVEMBER)

Added to by Decree 700 of 2010

"Whereby Decree 3083 of 2007 is added to and other decisions are made"

THE PRESIDENT OF THE REPUBLIC OF COLOMBIA,

Pursuant to his constitutional and legal powers, and particularly to those granted by Section 11 of Article 189 of the National Constitution, Decree – Law 2811 of 1974 and Law 336 of 1996, See Article 113 of Law 1450 of 2011

DECREES

FIRST ARTICLE – **Schedule of Activities**: In the term of one (1) month as of the date of enactment of this decree, the sea ports that load coal must submit for the approval of the Ministries of Transport and of the Environment, Housing and Territorial Development, the schedule containing the activities required to meet the direct loading obligation set forth in Decree 3083 of 2007.

SECOND ARTICLE – **Monthly Report of the Progress**: Within five (5) days after the date of approval of the Schedule of Activities subject of the preceding article, the sea ports that load coal must lodge with the Ministry of the Environment, Housing and Territorial Development a monthly report of the progress of said schedule.

No later than five business days after the lodging of the monthly progress report, the Ministry of the Environment, Housing and Territorial Development shall submit it to the National Concessions Institute – INCO for it to assess it and produce a binding opinion on its performance. The INCO must produce its opinion no later than fifteen (15) days after the date in which it receives it.

THIRD ARTICLE – **Non Compliance**: The failure to submit the schedule of activities mentioned in the first article hereof or of the monthly progress report the subject matter of the second article of this decree, shall lead to the imposition by the Ministry of the Environment, Housing and Territorial Development of the sanctions determined in Law 1333 of 21 July 2009.

Likewise, the failure to comply with the activities set forth in the schedule of activities the subject matter of the first article of this decree will lead to the imposition by the Ministry of the Environment, Housing and Territorial Development of the sanctions determined in Law 1333 of 21 July 2009.

FOURTH ARTICLE – **Validity**: This decree is in force as of the date of issuance.

TO BE PUBLISHED AND COMPLIED WITH

Given at Bogotá, D. C, today, the 4th *of November of 2009.*

Signed Illegibly by the President

Signed Illegibly,
SILVANA GIAMO CHAVEZ
Acting Minister of Mines and Energy

Signed Illegibly,
ANDRES URIEL GALLEGO HENAO
Transport Minister

Signed Illegibly,
CARLOS COSTA POSADA
Minister of the Environment, Housing and Territorial Development

REPUBLIC OF COLOMBIA
TRANSPORT MINISTRY

DECREE NUMBER **0700** OF

5 MAR 2010

"Which adds decrees 3083 of 2007 and 4286 of 2009"

THE PRESIDENT OF THE REPUBLIC OF COLOMBIA

Pursuant to his constitutional and legal powers, particularly the power granted by section 11 of Article 189 of the National Constitution, Decree – Law 2811 of 1974 and Law 336 of 1996,

DECREES:

FIRST ARTICLE – In the cases in which the Ministries of Transportation and of the Environment, Housing and Territorial Development approve the compliance schedule set forth in Decree 4286 of 2009, the maximum date for the implementation of the direct loading system established in Decree 3083 of 15 August 2007 shall be the dare determined in the aforementioned approval.

The acceptance of the schedules by the ministries does not release the obligation to apply for and obtain the permits concessions, authorizations and other procedures necessary to carry out the respective works.

Paragraph: Notwithstanding the foregoing, the maritime ports that have not lodged the schedule for the compliance of the direct loading obligation can lodge it, without prejudice to the application of the sanctions set forth in Law 1333 of 21 July 2009 determined according to the specific conditions of each port.

SECOND ARTICLE – This decree is in full force and effect as of the date of its enactment.

TO BE PUBLISHED AND COMPLIED WITH

Given at Bogotá, D. C. on the 5 MAR 2010

(Signed illegibly by the President)

THE MINISTER OF MINES AND ENERGY, (Signed Illegibly)
HERNAN MARTINEZ TORRES

THE MINISTER OF THE ENVIRONMENT,
HOUSING AND TERRITORIAL DEVELOPMENT, (Signed Illegibly)
CARLOS COSTA POSADA

THE TRANSPORT MINISTER, (Signed Illegibly)
ANDRES URIEL GALLEGO HENAO

LAW 1450 OF 2011

ARTICLE 113 – DIRECT LOADING OF COAL: Starting on the 1st of January of 2012, the maritime and river coaler ports that handle coal must do so using a direct loading system.

The concessionaires that prior to the date of validity of this law submitted the schedules the subject matter of Decree 4286 of 2009 and had them approved, will abide by them. In any case, such schedules cannot go beyond the 1st of January of 2014.

PSI Submission, Goldman Sachs - 10.3.14
Exhibit A

Metro International Trade Services
2014

Invoice Date	Location	Customer	Amount ($)
6/19/2014	Mobile	BNP Paribas	1,301,488
7/9/2014	Vollers Rotterdam	Noble	1,701,384
7/17/2014	Mobile	BNP Paribas	1,308,169
8/1/2014	Toledo	Triland	130,050
8/21/2014	Mobile	BNP Paribas	1,308,393
8/22/2014	Toledo	Triland	66,300
9/17/2014	Mobile	BNP Paribas	1,308,354

Re-issuance: Warrant is re-issued prior to shipment at the request of the customer. Metal is no longer part of cancelled warrants. Delivery slot is allocated

Release / Deal					
Release	**Metal Type**	**Customer**	**Date Off-Warrant Deal Confirmed**	**Date Warrant Cancelled**	**Company/ entity cancelling warrant**
#1	AH	Glencore	23 Feb 13 & 4 Apr 13	13-Jun-2012	Glencore Ltd
#2	AH	Red Kite	4-Nov-12	7-Nov-2012	Barclays Bank PLC with agent as Red Kite Master Fund Limited c/o RKY Services Ltd
#3	AH		4-Nov-12	8-Nov-2012	Barclays Bank PLC with agent as Red Kite Master Fund Limited c/o RKY Services Ltd
#4	AH		4-Nov-12	9-Nov-2012	Barclays Bank PLC with agent as Red Kite Master Fund Limited c/o RKY Services Ltd
#5	AH		4-Nov-12	9-Nov-2012	Barclays Bank PLC with agent as Red Kite Master Fund Limited c/o RKY Services Ltd
#6	AH		4-Nov-12	19-Dec-2012	Barclays Bank PLC with agent as Red Kite Master Fund Limited c/o RKY Services Ltd
#7	AH		4-Nov-12	21-Dec-2012	Barclays Bank PLC with agent as Red Kite Master Fund Limited c/o RKY Services Ltd

[1] Customer decided to re-issue 6,875 MT prior to shipment (free delivery slots allocated to customer next in queue).

	H	I	J	K	L
1					
2	to customer(s) next in queue.				
3	Tonnage (incl exercised customer option)				
4					
5	Cancellation weight (tonnes; MT)	of which re-issued prior to shipment (Step #2)	of which shipped to Non Metro Facilities (Step #5)	of which re-warranted from off-warrant storage (Step #6)	of which currently stored off-warrant (Step #4)
6	**91,400**	n/a	n/a	91,400	n/a
7	**25,000**	n/a	n/a	25,000	n/a
8	**18,850**	6,875	n/a	11,975	n/a
9	**26,550**	n/a	n/a	26,550	n/a
10	**20,800**	n/a	n/a	20,800	n/a
11	**17,600**[2]	n/a	n/a	17,600	n/a
12	**80,075**[2]	n/a	21,600[3]	33,000[3]	25,475[3]
13					
14					
15					
16					

	M	N	O	P	Q
1	REVISED APPENDIX A - CONSOLIDATED SUMMARY AND S				
2					
3	Details on Shipment To Offwarrant Storage				
4					
5	**Date Shipment Scheduled**	**Date Shipped Outbound from Premises**	**Address departed**	**Date arrived**	**Address arrived**
6	5-Jul-12	2nd May - 20th June 2013	Pls see shipping Schedule #1	2nd May - 20th June 2013	Pls see shipping Schedule #1
7	20-Nov-12	30-Sep-2013 thru 15-Oct-2013	Pls see shipping Schedule #2	30-Sep-2013 thru 15-Oct-2013	Pls see shipping Schedule #2
8	20-Nov-12	15 thru 22-Oct-2013; 6,875 MT Reissued 18-Dec-2012[1]	Pls see shipping Schedule #3	15 thru 22-Oct-2013	Pls see shipping Schedule #3
9	20-Nov-12	22-Oct-2013 thru 5-Nov-2013	Pls see shipping Schedule #4	22-Oct-2013 thru 5-Nov-2013	Pls see shipping Schedule #4
10	20-Nov-12	5 thru 18-Nov-2013	Pls see shipping Schedule #5	5 thru 18-Nov-2013	Pls see shipping Schedule #5
11	28-Dec-12	3 Dec 2013 thru 12 Dec 2013	Pls see shipping Schedule #6	3 Dec 2013 thru 12 Dec 2013	Pls see shipping Schedule #6
12	28-Dec-12	12-Dec-2013 thru 7-Mar-2014	Pls see shipping Schedule #7	12-Dec-2013 thru 7-Mar-2014	Pls see shipping Schedule #7
13					
14					
15					
16					

	R	S	T
1	HIPPING SCHEDULES		
2			
3	Details on Re-warranting from Off-warrant Storage (if applicable)		
4			
5	**Company/ entity Re-warranting (if applicable)**	**Date New LME Warrant Created (if applicable)**	**Comnpany/ entity instructing metal to be warranted (if applicable)**
6	Glencore Ltd	50,000 MT 17-Jun-2013; 21,400 MT 15-Jul-2013; 20,000 MT 15-Nov-2013	Glencore Ltd
7	Barclays Bank PLC with agent as Red Kite Master Fund Limited c/o RKY Services Ltd	25,000 MT 28-Nov-2013	Barclays Bank PLC with agent as Red Kite Master Fund Limited c/o RKY Services Ltd
8	Barclays Bank PLC with agent as Red Kite Master Fund Limited c/o RKY Services Ltd	11,975 MT 28-Nov-2013	Barclays Bank PLC with agent as Red Kite Master Fund Limited c/o RKY Services Ltd
9	Barclays Bank PLC with agent as Red Kite Master Fund Limited c/o RKY Services Ltd	26.550 MT 28-Nov-2013	Barclays Bank PLC with agent as Red Kite Master Fund Limited c/o RKY Services Ltd
10	Barclays Bank PLC with agent as Red Kite Master Fund Limited c/o RKY Services Ltd	20,800 MT 28-Nov-2013	Barclays Bank PLC with agent as Red Kite Master Fund Limited c/o RKY Services Ltd
11	Barclays Bank PLC with agent as Red Kite Master Fund Limited c/o RKY Services Ltd	17,600 MT 23-Dec-2013	Macquarie Bank with agent as Red Kite Master Fund Limited
12	Barclays Bank PLC with agent as Red Kite Master Fund Limited c/o RKY Services Ltd and release transferred to Macquarie Bank Ltd with agent Red Kite Master Fund Ltd	33,000 MT 12-Feb-2014	Macquarie Bank with agent as Red Kite Master Fund Limited
13			
14			
15			
16			

	U	V	W	X
1				
2				
3	**Commercial Terms (Reflecting Custome**			
4	**if re-warranted**			**if shipped to non Metro facility**
5	**Prepaid Incentive (paid at cancellation)**	**Incentive (paid at warranting)**	**Other**	**Break fee (paid at shipment)**
6	not applicable	Metro pays incentive $198/mt (on 70,000mt) and $15/t (on 21,400mt)	Storage from shipment date through warranting free of charge (on average $4.02/mt)	not applicable
7	$36/ MT	Metro pays incentive $160/ MT	Discount of 3cts/mt/d on published rate from Apr 1 onwards if re-warranted (on average $7.89/mt)[3]	Client pays break fee of $66/mt (reflects $30/mt break fee + Prepaid Incentive)
8				
9				
10				
11				
12				
13				
14				
15				
16				

	Y	Z	AA
1			
2			
3	Options)		
4	General Off-warrant Terms		
5	**Off-warrant storage terms**	**Third party logistics provider**	**Commercial Doc References**
6	as published by LME	paid by Metro irrespective of re-warranting (on average $5.53/mt)	Email dated 4 Apr 2013 and entitled "New Deal - Glencore Detroit" Email New Deal dated 25 Feb 2013 and entitled "New Deal # DET-1524 & DET-1525"
7	as published by LME	paid by Metro irrespective of re-warranting (on average $5.96/mt)	Email dated 5 Nov 2012 and entitled "Detroit Ali - off warrant storage deal *NEW DEAL # DET-1500"
8			
9			
10			
11			
12			
13			
14			
15			
16			

	A	B	C	D	E	F	G
1							
2		**Re-issuance:** Warrant is re-issued prior to shipment at the request of the customer. Metal is no longer part of cancelled warrants. Delivery slot is allocated					
3		**Release / Deal**					
4							
5		**Release**	**Metal Type**	**Customer**	**Date Off-Warrant Deal Confirmed**	**Date Warrant Cancelled**	**Company/ entity cancelling warrant**
17							

	H	I	J	K	L
1					
2	to customer(s) next in queue.				
3	Tonnage (incl exercised customer option)				
4					
5	Cancellation weight (tonnes; MT)	of which re-issued prior to shipment (Step #2)	of which shipped to Non Metro Facilities (Step #5)	of which re-warranted from off-warrant storage (Step #6)	of which currently stored off-warrant (Step #4)
17					

	M	N	O	P	Q
1	REVISED APPENDIX A - CONSOLIDATED SUMMARY AND S				
2					
3	Details on Shipment To Offwarrant Storage				
4					
5	**Date Shipment Scheduled**	**Date Shipped Outbound from Premises**	**Address departed**	**Date arrived**	**Address arrived**
17					

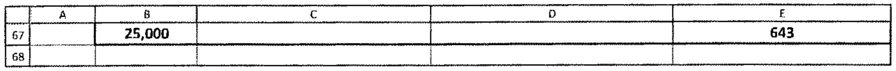
	R	S	T
1	HIPPING SCHEDULES		
2			
3	Details on Re-warranting from Off-warrant Storage (if applicable)		
4			
5	Company/ entity Re-warranting (if applicable)	Date New LME Warrant Created (if applicable)	Comnpany/ entity instructing metal to be warranted (if applicable)
17			

	U	V	W	X
1				
2				
3				**Commercial Terms (Reflecting Custome**
4	**if re-warranted**			**if shipped to non Metro facility**
5	**Prepaid Incentive (paid at cancellation)**	**Incentive (paid at warranting)**	**Other**	**Break fee (paid at shipment)**
17				

	Y	Z	AA
1			
2			
3	Options)		
4	General Off-warrant Terms		
5	**Off-warrant storage terms**	**Third party logistics provider**	**Commercial Doc References**
17			

	A	B	C	D	E
1					
2					
3		**NEW APPENDIX B**			
4					
5		**Shipping Schedule #1 - Detroit 91,400MT Cancelled on 13 June 2012**			
6		**Tonnage**	**Ship From:**	**Ship To:**	**Total Bills of Lading:**
7		6,550	151 Lafayette St.	26090 23 Mile Rd. (WHSE A)	167
8		6,025	151 Lafayette St.	1200 E. McNichols Ave.	152
9		6,050	151 Lafayette St.	12850 E. Nine Mile Rd.	155
10		15,975	26090 23 Mile Rd. (Whse A)	50750Russell Schmidt Blvd	405
11		50	50750 Russell Schmidt Blvd	26090 23 Mile Rd. (WHSE A)	2
12		1,400	12850 E. Nine Mile Rd.	151 Lafayette St.	36
13		350	1200 E. McNichols Ave.	6490 Lynch Road	9
14		150	1200 E. McNichols Ave.	8650 Mt. Elliot	4
15		1,950	1200 E. McNichols Ave.	4815 Cabot St.	50
16		2,250	1200 E. McNichols Ave.	13550 Helen	57
17		7,650	1200 E. McNichols Ave.	13542 Helen St. BDLG#2	194
18		3,950	6307 W. Fort St.	9450 Buffalo St.	101
19		1,725	6307 W. Fort St.	1200 E. McNichols Ave.	44
20		3,075	9450 Buffalo St.	2599 22nd St.	78
21		425	2599 22nd St.	4815 Cabot St.	11
22		3,350	2599 22nd St.	13542 Helen St. BDLG#2	85
23		1,275	3801 West Jefferson	13542 Helen St. BDLG#2	33
24		4,000	17423 West Jefferson	7900 N. Haggerty Rd.	101
25		5,025	17423 West Jefferson	20495 Pennsylvania Road	128
26		4,150	20495 Pennsylvania Road	17423 W. Jeff(MPI)	106
27		1,275	1725 Cicotte Ave.	20495 Pennsylvania Road	33
28		975	308 N. Antoine St.	308 S. Antoine St.	25
29		1,450	308 S. Antoine St.	308 N. Antoine St.	37
30		275	160 Visger Rd.	1725 Cicotte Ave.	7
31		275	21100 Trolley	21150 Trolley	7
32		100	21140 Trolley	21150 Trolley	3
33		325	21150 Trolley	21100 Trolley	9

	A	B	C	D	E
34		2,625	7900 N. Haggerty Rd.	20495 Pennsylvania Road	67
35		75	36253 Michigan Ave.	7900 N. Haggerty Rd.	2
36		375	1550 Superior PKWY A/B	7900 N. Haggerty Rd.	10
37		50	4815 Cabot St.	17423 W. Jeff(MPI)	3
38		3,000	4815 Cabot St.	6490 Lynch Road	75
39		1,075	6490 Lynch Road	8650 Mt. Elliot	28
40		3,725	8650 Mt. Elliot	1200 E. McNichols Ave.	95
41		425	13542 Helen St.	1200 E. McNichols Ave.	11
42		**91,400**			**2,330**
43					
44		**Shipping Schedule #2 - Detroit 25,000MT Cancelled on 7 Nov. 2012**			
45		**Tonnage**	**Ship From:**	**Ship To:**	**Total Bills of Lading :**
46		2,025	1200 E. McNichols Ave.	8650 Mt. Elliott	52
47		225	12850 E. Nine Mile Rd.	1200 E. McNichols Ave.	6
48		200	13542 Helen St.	1200 E. McNichols Ave.	6
49		3,500	151 Lafayette St.	12850 E. Nine Mile Rd.	89
50		50	160 Visger Rd.	308 N. Antoine St.	2
51		1,850	1725 Cicotte Ave.	20495 Pennsylvania Road	47
52		1,350	17423 West Jefferson	20495 Pennsylvania Road	35
53		3,050	20495 Pennsylvania Road	Superior Pkwy A	78
54		25	21146/21150 Trolley Ave.	21140 Trolley	1
55		3,300	2599 22nd St.	4815 Cabot St	84
56		3,500	26090 23 Mile Rd (Whse A)	151 Lafayette St.	89
57		275	308 N. Antoine St.	308 S. Antoine St.	7
58		175	308 S. Antoine St.	308 N. Antoine St.	5
59		150	3801 W. Jefferson Ave.	4815 Cabot St	4
60		1,825	4815 Cabot St	3801 West Jefferson Ave.	47
61		375	50750 Russel Schmidt Blvd.	26090 23 Mile Rd (Whse A)	10
62		225	6490 Lynch Road	8650 Mt. Elliott	6
63		300	7900 N. Haggerty Rd.	21150 Trolley Ave.	8
64		2,075	8650 Mt. Elliott	6490 Lynch Road	53
65		150	9450 Buffalo St.	1200 E. McNichols Ave.	4
66		375	Superior Pkwy A	7900 N. Haggerty Rd.	10



	A	B	C	D	E
67		**25,000**			**643**
68					

	A	B	C	D	E
69		**Shipping Schedule #3 - Detroit 18,850MT Cancelled on 7 Nov. 2012**			
70		**Tonnage**	**Ship From:**	**Ship To:**	**Total Bills of Lading :**
71		1,800	1200 E. McNichols Ave.	8650 Mt. Elliott	46
72		375	12850 E. Nine Mile Rd.	6490 Lynch Road	10
73		1,425	151 Lafayette St.	26090 23 Mile Rd (Whse A)	37
74		150	160 Visger Rd.	308 N. Antoine St.	4
75		25	1725 Cicotte Ave.	160 Visger Rd.	1
76		1,400	17423 West Jefferson	36555 Ecorse Rd.	36
77		75	21100 Trolley Industrial Dr.	21150 Trolley Ave.	2
78		175	21140 Trolley Industrial Ave.	21150 Trolley Ave.	5
79		175	21146/ 21150 Trolley Ave.	21140 Trolley Industrial Ave.	5
80		1,400	2599 22nd St.	36555 Ecorse Rd.	36
81		2,625	26090 23 Mile Rd (Whse A)	151 Lafayette St.	67
82		250	308 N. Antoine St.	308 S. Antoine St.	7
83		125	308 S. Antoine St.	308 N. Antoine St.	4
84		225	6490 Lynch Road	8650 Mt. Elliott	6
85		75	7900 N. Haggerty Rd.	21150 Trolley Ave.	2
86		1,275	8650 Mt. Elliott	4815 Cabot St	33
87		400	Superior Pkwy A/B	36555 Ecorse Rd.	11
88		**11,975**			**312**
89					

	A	B	C	D	E
90		**Schedule #4 - Detroit 26,550MT Cancelled on 9 Nov. 2012 - Shipment**			
91		**Tonnage**	**Ship From:**	**Ship To:**	**Total Bills of Lading :**
92		2,650	1200 E. McNichols Ave.	4815 Cabot St	67
93		1,250	12850 E. Nine Mile Rd.	8650 Mt. Elliott	32
94		125	13542 Helen St.	6490 Lynch Road	4
95		2,000	151 Lafayette St.	8650 Mt. Elliott	51
96		2,700	151 Lafayette St.	1200 E. McNichols Ave.	69
97		2,025	17423 West Jefferson	36555 Ecorse Rd.	51
98		3,175	20495 Pennsylvania Road	36555 Ecorse Rd.	80
99		50	21140 Trolley Industrial Ave.	21150 Trolley Ave.	2
100		25	21146/ 21150 Trolley Ave.	21140 Trolley Industrial Ave.	1
101		2,150	2599 22nd St.	36555 Ecorse Rd.	54
102		4,725	26090 23 Mile Rd (Whse A)	151 Lafayette St.	120
103		75	308 N. Antoine St.	308 S. Antoine St.	2
104		525	308 S. Antoine St.	308 N. Antoine St.	14
105		325	3801 West Jefferson Ave.	4815 Cabot St	9
106		3,850	4815 Cabot St	2599 22nd St.	97
107		200	50750 Russel Schmidt Blvd.	26090 23 Mile Rd (Whse A)	6
108		50	6307 West Fort St.	4815 Cabot St	2
109		125	7900 N. Haggerty Rd.	21140 Trolley Industrial Ave.	4
110		25	8650 Mt. Elliott	6490 Lynch Road	1
111		500	9450 Buffalo St.	6490 Lynch Road	13
112		**26,550**			**679**
113					

	A	B	C	D	E
114		**Schedule #5 - Detroit 20,800MT Cancelled on 9 Nov. 2012**			
115		**Tonnage**	**Ship From:**	**Ship To:**	**Total Bills of Lading:**
116		1,425	1200 E. McNichols Ave.	1725 Cicotte Ave.	36
117		325	12850 E. Nine Mile Rd.	13542 Helen St.	9
118		150	13542 Helen St.	8650 Mt. Elliott	4
119		1,200	151 Lafayette St.	12850 E. Nine Mile Rd.	30
120		1,800	151 Lafayette St.	1200 E. McNichols Ave.	46
121		1,600	151 Lafayette St.	8650 Mt. Elliott	40
122		125	160 Visger Rd.	1725 Cicotte Ave.	4
123		50	1725 Cicotte Ave.	160 Visger Rd.	2
124		725	17423 West Jefferson	36555 Ecorse Rd.	19
125		2,850	20495 Pennsylvania Road	36555 Ecorse Rd.	71
126		175	21100 Trolley Industrial Dr.	1725 Cicotte Ave.	5
127		75	21146/ 21150 Trolley Ave.	1725 Cicotte Ave.	2
128		1,025	2599 22nd St.	4815 Cabot St	26
129		4,075	26090 23 Mile Rd (Whse A)	151 Lafayette St.	102
130		50	26090 23 Mile Rd (Whse B)	26090 23 Mile Rd (Whse A)	2
131		875	308 N. Antoine St.	36555 Ecorse Rd.	23
132		475	3801 West Jefferson Ave.	4815 Cabot St	12
133		900	4815 Cabot St	3801 West Jefferson Ave.	23
134		1,000	6307 West Fort St.	4815 Cabot St	26
135		350	6490 Lynch Road	8650 Mt. Elliott	9
136		1,525	7900 N. Haggerty Rd.	36555 Ecorse Rd.	39
137		25	8650 Mt. Elliott	6490 Lynch Road	1
138		**20,800**			**531**
139					

	A	B	C	D	E
140		**Schedule #6 - Detroit 17,600MT Cancelled on 19 Nov. 2012**			
141		Tonnage	Ship From:	Ship To:	Total Bills of Lading:
142		1,950	1200 E. McNichols Ave.	6490 Lynch Road	49
143		125	12850 E. Nine Mile Rd.	13542 Helen St.	4
144		50	13542 Helen St.	1200 E. McNichols Ave.	2
145		3,075	151 Lafayette St.	26090 23 Mile Rd (Whse A/B)	77
146		25	160 Visger Rd.	308 N. Antoine St.	1
147		150	1725 Cicotte Ave.	160 Visger Rd.	4
148		6,350	20495 Pennsylvania Road	36555 Ecorse Rd.	160
149		100	21100 Trolley Industrial Dr.	21150 Trolley Ave.	3
150		2,875	26090 23 Mile Rd (Whse A)	50750 Russel Schmidt Blvd.	72
151		1,025	308 N. Antoine St.	20495 Pennsylvania Road	26
152		300	308 S. Antoine St.	308 N. Antoine St.	8
153		775	4815 Cabot St	3801 West Jefferson Ave.	20
154		325	50750 Russel Schmidt Blvd.	26090 23 Mile Rd (Whse A)	9
155		100	6307 West Fort St.	4815 Cabot St	3
156		250	7900 N. Haggerty Rd.	36555 Ecorse Rd.	7
157		125	8650 Mt. Elliott	13542 Helen St.	4
158		**17,600**			**449**
159					

	A	B	C	D	E
160		Schedule #7 - Detroit 80,075MT Cancelled on 21 Dec. 2012			
161		**Tonnage**	**Ship From:**	**Ship To:**	**Total Bills of Lading:**
162		2,350	1200 E. McNichols Ave.	6490 Lynch Road	60
163		250	12850 E. Nine Mile Rd.	13542 Helen St.	7
164		325	13542 Helen St.	1200 E. McNichols Ave.	9
165		3,200	151 Lafayette St.	12850 E. Nine Mile Rd.	82
166		3,350	151 Lafayette St.	50750 Russel Schmidt Blvd.	86
167		975	160 Visger Rd.	308 N. Antoine St.	25
168		1,430	1725 Cicotte Ave.	36555 Ecorse Rd.	37
169		1,215	17423 West Jefferson	20495 Pennsylvania Road	32
170		22,700	20495 Pennsylvania Road	36555 Ecorse Rd.	576
171		25	21100 Trolley Industrial Dr.	21150 Trolley Ave.	1
172		25	21140 Trolley Industrial Ave.	21150 Trolley Ave.	1
173		100	21150 Trolley Ave.	21140 Trolley Industrial Ave.	3
174		2,575	2599 22nd St.	Superior Pkwy A	66
175		17,175	26090 23 Mile Rd (Whse A)	151 Lafayette St.	437
176		300	26090 23 Mile Rd (Whse B)	26090 23 Mile Rd (Whse A)	8
177		25	3801 West Jefferson Ave.	4815 Cabot St	1
178		50	4815 Cabot St	3801 West Jefferson Ave.	2
179		1,075	6307 West Fort St.	4815 Cabot St	28
180		1900	6490 Lynch Road	1200 E. McNichols Ave.	48
181		2765	6490 Lynch Road	160 Visger Rd.	70
182		2765	6490 Lynch Road	4815 Cabot St	70
183		3900	6490 Lynch Road	8650 Mt. Elliott	100
184		150	7900 N. Haggerty Rd.	36555 Ecorse Rd.	4
185		1,425	8650 Mt. Elliott	1200 E. McNichols Ave.	38
186		25	9450 Buffalo St.	13542 Helen St.	1
187		**70,075**			**1792**

	A	B	C	D	E	F	G
1	BOL #	#	SHIPPED	WHS LOC	BRAND	SHAPE	DELIVERED
2		TRK	DATE	FROM			DATE
3	BAR2500	119/5428	30-Sep-13	26090 23 MILE RD	ALCOA	SOW	30-Sep-13
4	BAR2501	33/611 A&b	30-Sep-13	26090 23 MILE RD	ALCOA	SOW	30-Sep-13
5	BAR2502	520/2112	30-Sep-13	26090 23 MILE RD	ALCOA/ORMET	SOW	30-Sep-13
6	BAR2503	119/5428	30-Sep-13	26090 23 MILE RD	ORMET/ALMA	SOW	30-Sep-13
7	BAR2504	33/611 A/B	30-Sep-13	26090 23 MILE RD	ALMA	SOW	30-Sep-13
8	BAR2505	520/2112	30-Sep-13	26090 23 MILE RD	ALMA	SOW	30-Sep-13
9	BAR2506	119/5428	30-Sep-13	26090 23 MILE RD	ALMA/GBAIE	SOW	30-Sep-13
10	BAR2507	520/2112	30-Sep-13	26090 23 MILE RD	GBAIE	SOW	30-Sep-13
11	BAR2588	093/9941 A/B	30-Sep-13	50723 E. RUSSELL	ABI	TBAR	30-Sep-13
12	BAR2589	093/9941 A/B	30-Sep-13	50723 E. RUSSELL	ABI	TBAR	30-Sep-13
13	BAR2590	093/9941 A/B	30-Sep-13	50723 E. RUSSELL	ABI	TBAR	30-Sep-13
14	BAR2591	093/9941 A/B	30-Sep-13	50723 E. RUSSELL	ABI	TBAR	30-Sep-13
15	BAR2592	093/9941 A/B	30-Sep-13	50723 E. RUSSELL	ABI	TBAR	30-Sep-13
16	BAR3039	4/4B	30-Sep-13	2599 22ND ST	ALCOA	SOW	30-Sep-13
17	BAR3040	108/0080	30-Sep-13	2599 22ND ST	ALCOA	SOW	30-Sep-13
18	BAR3041	6/806	30-Sep-13	2599 22ND ST	ALCOA	SOW	30-Sep-13
19	BAR3042	4/4B	30-Sep-13	2599 22ND ST	ALCOA	SOW	30-Sep-13
20	BAR3043	108/0080	30-Sep-13	2599 22ND ST	ALCOA	SOW	30-Sep-13
21	BAR3044	6/806	30-Sep-13	2599 22ND ST	ALCOA	SOW	30-Sep-13
22	BAR3045	4-4B	30-Sep-13	2599 22ND ST	ALCOA/ABCQ	SOW/TBAR	30-Sep-13
23	BAR3046	108/0080	30-Sep-13	2599 22ND ST	ALCOA	SOW	30-Sep-13
24	BAR3122	1018/1018A	30-Sep-13	1500 SUPERIOR PKWY	ORMET	SOW	30-Sep-13
25	BAR3123	1008/81145	30-Sep-13	1500 SUPERIOR PKWY	ORMET	SOW	30-Sep-13
26	BAR2686	3100/2133A	30-Sep-13	12850 E. NINE MILE	ALCOA	SOW	30-Sep-13
27	BAR2688	3100/2133A	30-Sep-13	12850 E. NINE MILE	ABI/ALCOA	TBAR/SOW	30-Sep-13
28	BAR2689	111/2150A	30-Sep-13	12850 E. NINE MILE	ABI/ALMA/ME	TBAR/SOW	30-Sep-13
29	BAR2690	3100/2133A	30-Sep-13	12850 E. NINE MILE	ALCOA	SOW	30-Sep-13
30	BAR2691LTL	3100/2133A	30-Sep-13	12850 E. NINE MILE	ALCOA	SOW	30-Sep-13
31	BAR2598	711-2138A	30-Sep-13	151 LAFAYETTE	DESCH/SHA	TBARSOW	30-Sep-13
32	BAR2599	9934-2144	30-Sep-13	151 LAFAYETTE	SHA/ABI	SOW/TBAR	30-Sep-13
33	BAR2600	9934-2144	30-Sep-13	151 LAFAYETTE	ABI	TBAR	30-Sep-13
34	BAR2601	711-2138A	30-Sep-13	151 LAFAYETTE	ABI/ABCQ	TBAR	30-Sep-13
35	BAR2602	711-2138A	30-Sep-13	151 LAFAYETTE	ABI/SHA	TBAR/SOW	30-Sep-13
36	BAR2603	9934-2144	30-Sep-13	151 LAFAYETTE	ABI/ABCQ/SHA	TBAR/SOW	30-Sep-13
37	BAR2604	711-2138A	30-Sep-13	151 LAFAYETTE	ABI/ALOUETTE	TBAR/SOW	30-Sep-13
38	BAR2605	9934-2144	30-Sep-13	151 LAFAYETTE	ABI-ALOUETTE	TBAR/ING	30-Sep-13
39	BAR2917	1018	30-Sep-13	20495 PENNSYLVANIA RD	ABCQ	TBAR	30-Sep-13
40	BAR2918	1025	30-Sep-13	20495 PENNSYLVANIA RD	ABCQ	TBAR	30-Sep-13
41	BAR2919	1027	30-Sep-13	20495 PENNSYLVANIA RD	ABCQ	TBAR	30-Sep-13
42	BAR2920	1008	30-Sep-13	20495 PENNSYLVANIA RD	ABCQ	TBAR	30-Sep-13
43	BAR2921	1018	30-Sep-13	20495 PENNSYLVANIA RD	ABCQ	TBAR	30-Sep-13
44	BAR2922	1025/1025A	30-Sep-13	20495 PENNSYLVANIA RD	ABCQ	TBAR	30-Sep-13
45	BAR2923	1012	30-Sep-13	20495 PENNSYLVANIA RD	ABCQ	TBAR	30-Sep-13

	H	I	J	K	L	M	N	O	P
1	**WHS LOC**	**PCS**	**LBS**	**KGS**	**CO**	**#**		**AMT**	
2	**TO**	**TOTAL**	**TOTAL**	**TOTAL**	**TRUCKING**	**INV**	**FREIGHT**	**INV**	
3	151 LAFAYETTE	62	87,875	39.859	CLASSIC	226	$200.00	$200.00	
4	151 LAFAYETTE	62	87,245	39.574	CLASSIC	226	$200.00	$200.00	
5	151 LAFAYETTE	64	86,715	39.333	CLASSIC	226	$200.00	$200.00	
6	151 LAFAYETTE	67	87,257	39.579	CLASSIC	226	$200.00	$200.00	
7	151 LAFAYETTE	67	87,890	39.866	CLASSIC	226	$200.00	$200.00	
8	151 LAFAYETTE	62	87,796	39.824	CLASSIC	226	$200.00	$200.00	
9	151 LAFAYETTE	61	87,318	39.607	CLASSIC	226	$200.00	$200.00	
10	151 LAFAYETTE	58	86,727	39.339	CLASSIC	226	$200.00	$200.00	
11	26090 23 MILE RD	54	87,720	39.789	CLASSIC	226	$200.00	$200.00	
12	26090 23 MILE RD	54	87,751	39.803	CLASSIC	226	$200.00	$200.00	
13	26090 23 MILE RD	54	87,754	39.805	CLASSIC	226	$200.00	$200.00	
14	26090 23 MILE RD	54	87,753	39.804	CLASSIC	226	$200.00	$200.00	
15	26090 23 MILE RD	54	87,684	39.773	CLASSIC	226	$200.00	$200.00	
16	4815 CABOT	64	87,041	39.481	CLASSIC	226	$200.00	$200.00	
17	4815 CABOT	65	87,779	39.816	CLASSIC	226	$200.00	$200.00	
18	4815 CABOT	63	87,612	39.740	CLASSIC	226	$200.00	$200.00	
19	4815 CABOT	64	87,952	39.894	CLASSIC	226	$200.00	$200.00	
20	4815 CABOT	65	86,977	39.452	CLASSIC	226	$200.00	$200.00	
21	4815 CABOT	65	87,416	39.651	CLASSIC	226	$200.00	$200.00	
22	4815 CABOT	58	87,085	39.501	CLASSIC	226	$200.00	$200.00	
23	4815 CABOT	64	87,248	39.575	CLASSIC	226	$200.00	$200.00	
24	7900 HAGGERTY	60	87,013	39.468	TCI	1567405-00	$200.00	$200.00	
25	7900 HAGGERTY	61	87,231	39.567	TCI	1567406-00	$200.00	$200.00	
26	1200 E. MCNICHOLS	63	86,675	39.315	CHIEFS	2686-03	$225.00	$225.00	
27	1200 E. MCNICHOLS	60	87,522	39.699	CHIEFS	2688-03	$225.00	$225.00	
28	1200 E. MCNICHOLS	55	87,829	39.839	CHAMPION	2689-03	$225.00	$225.00	
29	1200 E. MCNICHOLS	65	86,843	39.391	CHEIFS	2690-03	$225.00	$225.00	
30	1200 E. MCNICHOLS	45	60,980	27.660	CHEIFS	2691-01	$225.00	$225.00	
31	12850 E. NINE MILE	56	86,501	39.236	ALGER	2598-03	$235.00	$235.00	
32	12850 E. NINE MILE	57	87,884	39.864	CHAMPION	2599-03	$235.00	$235.00	
33	12850 E. NINE MILE	54	87,786	39.819	CHAMPION	2600-03	$235.00	$235.00	
34	12850 E. NINE MILE	55	87,925	39.882	ALGER	2601-03	$235.00	$235.00	
35	12850 E. NINE MILE	54	87,680	39.771	ALGER	2602-03	$235.00	$235.00	
36	12850 E. NINE MILE	54	86,433	39.205	CHAMPION	2603-03	$235.00	$235.00	
37	12850 E. NINE MILE	54	87,650	39.757	ALGER	2604-03	$235.00	$235.00	
38	12850 E. NINE MILE	47	86,569	39.267	CHAMPION	2605-03	$235.00	$235.00	
39	1550 SUPERIOR PKWY	55	87,416	39.651	FOUR STAR	1567397-00	$300.00	$300.00	
40	1550 SUPERIOR PKWY	55	87,525	39.701	FOUR STAR	1567398-00	$300.00	$300.00	
41	1550 SUPERIOR PKWY	55	86,522	39.246	FOUR STAR	1567399-00	$300.00	$300.00	
42	1550 SUPERIOR PKWY	55	86,716	39.334	FOUR STAR	1567400-00	$300.00	$300.00	
43	1550 SUPERIOR PKWY	55	87,676	39.769	FOUR STAR	1567401-00	$300.00	$300.00	
44	1550 SUPERIOR PKWY	56	86,424	39.201	FOUR STAR	1567402-00	$300.00	$300.00	
45	1550 SUPERIOR PKWY	58	88,761	40.261	FOUR STAR	1567403-00	$300.00	$300.00	

	A	B	C	D	E	F	G
46	BAR2924	1012	30-Sep-13	20495 PENNSYLVANIA RD	ABCQ	TBAR	30-Sep-13
47	BAR2687	3100/2133A	30-Sep-13	12850 E. NINE MILE	ALCOA/SHA	SOW	30-Sep-13
48	BAR2508	520/2112	1-Oct-13	26090 23 MILE RD	GBAIE	SOW	1-Oct-13
49	BAR2509	33/611 A/B	1-Oct-13	26090 23 MILE RD	GBAIE	SOW	1-Oct-13
50	BAR2510	520/2112	1-Oct-13	26090 23 MILE RD	GBAIE	SOW	1-Oct-13
51	BAR2511	33/611 A/B	1-Oct-13	26090 23 MILE RD	GBAIE	SOW	1-Oct-13
52	BAR2512	520/2112	1-Oct-13	26090 23 MILE RD	GBAIE	SOW	1-Oct-13
53	BAR2513	33/611 A/B	1-Oct-13	26090 23 MILE RD	GBAIE	SOW	1-Oct-13
54	BAR2514	520/2112	1-Oct-13	26090 23 MILE RD	GBAIE	SOW	1-Oct-13
55	BAR2515	33/611 A/B	1-Oct-13	26090 23 MILE RD	GBAIE	SOW	1-Oct-13
56	BAR2593	093/9941 A/B	1-Oct-13	50723 E. RUSSELL	ABI	TBAR	1-Oct-13
57	BAR2594	093/9941 A/B	1-Oct-13	50723 E. RUSSELL	ABI/ALMA	TBAR	1-Oct-13
58	BAR2595	093/9941 A/B	1-Oct-13	50723 E. RUSSELL	ALMA	TBAR	1-Oct-13
59	BAR2596	093/9941 A/B	1-Oct-13	50723 E. RUSSELL	ALMA	TBAR	1-Oct-13
60	BAR2597LTL	093/9941 A/B	1-Oct-13	50723 E. RUSSELL	ALMA	TBAR	1-Oct-13
61	BAR2857	119/5428	1-Oct-13	1725 CICOTTE	ALMA	SOW	1-Oct-13
62	BAR2858	4/4B	1-Oct-13	1725 CICOTTE	ALMA	SOW	1-Oct-13
63	BAR2859	093/9941 A/B	1-Oct-13	1725 CICOTTE	ALMA	SOW	1-Oct-13
64	BAR2860	108/0080	1-Oct-13	1725 CICOTTE	ALMA/ALCOA	SOW	1-Oct-13
65	BAR2861	894/405	1-Oct-13	1725 CICOTTE	ALCOA	SOW	1-Oct-13
66	BAR2862	6/806	1-Oct-13	1725 CICOTTE	ALCOA	SOW	1-Oct-13
67	BAR3002	4B	1-Oct-13	17423 WEST JEFFERSON	ORMET/ABCQ	SOW/TBAR	1-Oct-13
68	BAR3003	542B	1-Oct-13	17423 WEST JEFFERSON	ORMET/ABCQ	SOW/TBAR	1-Oct-13
69	BAR3004	4B	1-Oct-13	17423 WEST JEFFERSON	ORMET/ABCQ	SOW/TBAR	1-Oct-13
70	BAR3005	542B	1-Oct-13	17423 WEST JEFFERSON	ORMET	SOW	1-Oct-13
71	BAR3006	4B	1-Oct-13	17423 WEST JEFFERSON	ORMET	SOW	1-Oct-13
72	BAR3047	108/0080	1-Oct-13	2599 22ND ST	ALCOA	SOW	1-Oct-13
73	BAR3048	6/806	1-Oct-13	2599 22ND ST	ALCOA	SOW	1-Oct-13
74	BAR3049	108/0080	1-Oct-13	2599 22ND ST	ALCOA	SOW	1-Oct-13
75	BAR3050	894/405	1-Oct-13	2599 22ND ST	ALCOA/ALOUETTE	SOW/ING	1-Oct-13
76	BAR3051	6/806	1-Oct-13	2599 22ND ST	ALCOA	SOW	1-Oct-13
77	BAR3052	108/0080	1-Oct-13	2599 22ND ST	ALCOA	SOW	1-Oct-13
78	BAR3053	894/405	1-Oct-13	2599 22ND ST	ALCOA	SOW	1-Oct-13
79	BAR3054	6/806	1-Oct-13	2599 22ND ST	ALCOA	SOW	1-Oct-13
80	BAR3001	5428	1-Oct-13	17423 WEST JEFFERSON	ORMET	SOW	1-Oct-13
81	BAR3124	1018/1018A	1-Oct-13	1500 SUPERIOR PKWY	ORMET	SOW	1-Oct-13
82	BAR3125	1008/81145	1-Oct-13	1500 SUPERIOR PKWY	ORMET	SOW	1-Oct-13
83	BAR3126	1012/102A	1-Oct-13	1500 SUPERIOR PKWY	ORMET	SOW	1-Oct-13
84	BAR2692	78/2147A	1-Oct-13	6590 LYNCH	ABCQ	TBAR	1-Oct-13
85	BAR2694	35/35A	1-Oct-13	6590 LYNCH	SEB/ALOUETTE	SOW/ING	1-Oct-13
86	BAR2695	35/35A	1-Oct-13	6590 LYNCH	ALOUETTE	ING	1-Oct-13
87	BAR2696	35/35A	1-Oct-13	6590 LYNCH	ALOUETTE	ING	1-Oct-13
88	BAR2697LTL	78/2147A	1-Oct-13	6590 LYNCH	ALOUETTE	ING	1-Oct-13
89	BAR3035	095/17A	1-Oct-13	9450 BUFFALO	ALCOA	SOW	1-Oct-13
90	BAR3036	095/17A	1-Oct-13	9450 BUFFALO	ALCOA	SOW	1-Oct-13

	H	I	J	K	L	M	N	O	P
46	1550 SUPERIOR PKWY	55	87,796	39.824	FOUR STAR	1567404-00	$300.00	$300.00	
47	1200 E. MCNICHOLS	59	87,280	39.590	CHIEFS				
48	151 LAFAYETTE	59	86,602	39.282	CLASSIC	226	$200.00	$200.00	
49	151 LAFAYETTE	59	87,831	39.840	CLASSIC	226	$200.00	$200.00	
50	151 LAFAYETTE	61	87,307	39.602	CLASSIC	226	$200.00	$200.00	
51	151 LAFAYETTE	60	87,973	39.904	CLASSIC	226	$200.00	$200.00	
52	151 LAFAYETTE	61	86,734	39.342	CLASSIC	226	$200.00	$200.00	
53	151 LAFAYETTE	61	87,852	39.849	CLASSIC	226	$200.00	$200.00	
54	151 LAFAYETTE	61	87,678	39.770	CLASSIC	226	$200.00	$200.00	
55	151 LAFAYETTE	61	86,697	39.325	CLASSIC	226	$200.00	$200.00	
56	26090 23 MILE RD	54	87,753	39.804	CLASSIC	226	$200.00	$200.00	
57	26090 23 MILE RD	54	87,917	39.879	CLASSIC	226	$200.00	$200.00	
58	26090 23 MILE RD	52	86,998	39.462	CLASSIC	226	$200.00	$200.00	
59	26090 23 MILE RD	52	87,067	39.493	CLASSIC	226	$200.00	$200.00	
60	26090 23 MILE RD	24	40,206	18.238	CLASSIC	226	$200.00	$200.00	
61	20495 PENNSYLVANIA	65	87,498	39.688	CLASSIC	226	$200.00	$200.00	
62	20495 PENNSYLVANIA	63	86,650	39.304	CLASSIC	226	$200.00	$200.00	
63	20495 PENNSYLVANIA	65	87,760	39.807	CLASSIC	226	$200.00	$200.00	
64	20495 PENNSYLVANIA	64	87,900	39.871	CLASSIC	226	$200.00	$200.00	
65	20495 PENNSYLVANIA	64	87,897	39.869	CLASSIC	226	$200.00	$200.00	
66	20495 PENNSYLVANIA	55	87,362	39.627	CLASSIC	226	$200.00	$200.00	
67	20495 PENNSYLVANIA	57	87,070	39.494	CLASSIC	226	$200.00	$200.00	
68	20495 PENNSYLVANIA	58	87,989	39.911	CLASSIC	226	$200.00	$200.00	
69	20495 PENNSYLVANIA	59	87,527	39.702	CLASSIC	226	$200.00	$200.00	
70	20495 PENNSYLVANIA	59	86,656	39.307	CLASSIC	226	$200.00	$200.00	
71	20495 PENNSYLVANIA	61	86,604	39.283	CLASSIC	226	$200.00	$200.00	
72	4815 CABOT	63	86,680	39.317	CLASSIC	226	$200.00	$200.00	
73	4815 CABOT	65	87,234	39.569	CLASSIC	226	$200.00	$200.00	
74	4815 CABOT	65	87,499	39.689	CLASSIC	226	$200.00	$200.00	
75	4815 CABOT	48	87,359	39.625	CLASSIC	226	$200.00	$200.00	
76	4815 CABOT	66	87,808	39.829	CLASSIC	226	$200.00	$200.00	
77	4815 CABOT	65	86,776	39.361	CLASSIC	226	$200.00	$200.00	
78	4815 CABOT	63	86,763	39.355	CLASSIC	226	$200.00	$200.00	
79	4815 CABOT	64	87,660	39.762	CLASSIC	226	$200.00	$200.00	
80	20495 PENNSYLVANIA	62	87,534	39.705	CLASSIC	226	$200.00	$200.00	
81	7900 HAGGERTY	60	87,545	39.710	TCI	1567596-00	$200.00	$200.00	
82	7900 HAGGERTY	59	86,482	39.228	TCI	1567597-00	$200.00	$200.00	
83	7900 HAGGERTY	60	87,880	39.862	TCI	1567598-00	$200.00	$200.00	
84	8650 MT. ELLIOTT	55	86,527	39.248	FCT/CHAMP	2692-03	$215.00	$215.00	
85	8650 MT. ELLIOTT	50	85,989	39.004	FCT	2694-03	$215.00	$215.00	
86	8650 MT. ELLIOTT	38	87,519	39.698	FCT	2695-03	$215.00	$215.00	
87	8650 MT. ELLIOTT	38	87,014	39.469	FCT	2696-03	$215.00	$215.00	
88	8650 MT. ELLIOTT	27	62,484	28.342	FCT/CHAMP	2697-03	$215.00	$215.00	
89	1200 E. MCNICHOLS	62	86,699	39.326	ALGER	3035-03	$215.00	$215.00	
90	1200 E. MCNICHOLS	66	86,723	39.337	ALGER	3036-03	$215.00	$215.00	

	A	B	C	D	E	F	G
91	BAR3037	35/35A	1-Oct-13	9450 BUFFALO	ALCOA	SOW	1-Oct-13
92	BAR3038LTL	214A	1-Oct-13	9450 BUFFALO	ALCOA	SOW	1-Oct-13
93	BAR2606	711/2138A	1-Oct-13	151 LAFAYETTE	ABCQ/ALOUETTE	TBAR/ING	1-Oct-13
94	BAR2607	9934-2144	1-Oct-13	151 LAFAYETTE	ABCQ/DUBUC	TBAR	1-Oct-13
95	BAR2608	711-2138A	1-Oct-13	151 LAFAYETTE	ALCOA/DUBUC	SOW/TBAR	1-Oct-13
96	BAR2609	9934-2144	1-Oct-13	151 LAFAYETTE	ALCOA	SOW	1-Oct-13
97	BAR2610	711-2138A	1-Oct-13	151 LAFAYETTE	ALCOA	SOW	1-Oct-13
98	BAR2611	9934-2144	1-Oct-13	151 LAFAYETTE	ALCOA/SHA	SOW	1-Oct-13
99	BAR2612	1004-1005A	1-Oct-13	151 LAFAYETTE	SHA	SOW	1-Oct-13
100	BAR2613	1004-1005A	1-Oct-13	151 LAFAYETTE	SHA/ABCQ	SOW	1-Oct-13
101	BAR2925	1025	1-Oct-13	20495 PENNSYLVANIA RD	ABCQ	TBAR	1-Oct-13
102	BAR2926	1011	1-Oct-13	20495 PENNSYLVANIA RD	ABCQ	TBAR	1-Oct-13
103	BAR2927	1018	1-Oct-13	20495 PENNSYLVANIA RD	ABCQ	TBAR	1-Oct-13
104	BAR2928	1025	1-Oct-13	20495 PENNSYLVANIA RD	ABCQ	TBAR	1-Oct-13
105	BAR2929	1011	1-Oct-13	20495 PENNSYLVANIA RD	ABCQ	TBAR	1-Oct-13
106	BAR2930	1008	1-Oct-13	20495 PENNSYLVANIA RD	ABCQ	TBAR	1-Oct-13
107	BAR2931	1018	1-Oct-13	20495 PENNSYLVANIA RD	ABCQ	TBAR	1-Oct-13
108	BAR2932	1025	1-Oct-13	20495 PENNSYLVANIA RD	ABCQ	TBAR	1-Oct-13
109	BAR2933	1011	1-Oct-13	20495 PENNSYLVANIA RD	ABCQ	TBAR	1-Oct-13
110	BAR2693	35/35A	1-Oct-13	6590 LYNCH	ABCQ/SEB/SHA	TBAR/SOW	1-Oct-13
111	BAR2856LTL	-	1-Oct-13	21146 TROLLEY	ALOUETTE	ING	1-Oct-13
112	BAR2516	093/9941 A/B	2-Oct-13	26090 23 MILE RD	GBAIE	SOW	2-Oct-13
113	BAR2517	520/2112	2-Oct-13	26090 23 MILE RD	GBAIE	SOW	2-Oct-13
114	BAR2518	093/9941 A/B	2-Oct-13	26090 23 MILE RD	GBAIE	SOW	2-Oct-13
115	BAR2519	520/2112	2-Oct-13	26090 23 MILE RD	GBAIE	SOW	2-Oct-13
116	BAR2520	093/9941 A/B	2-Oct-13	26090 23 MILE RD	GBAIE	SOW	2-Oct-13
117	BAR2521	520/2112	2-Oct-13	26090 23 MILE RD	GBAIE/ALOUETTE	SOW	2-Oct-13
118	BAR2522	093/9941 A/B	2-Oct-13	26090 23 MILE RD	ALOUETTE	SOW	2-Oct-13
119	BAR2523	520/2112	2-Oct-13	26090 23 MILE RD	ALOUETTE	SOW	2-Oct-13
120	BAR2863	108/0080	2-Oct-13	1725 CICOTTE	ALCOA	SOW	2-Oct-13
121	BAR2864	180/0080	2-Oct-13	1725 CICOTTE	ALCOA/ORMET	SOW	2-Oct-13
122	BAR2865	108/0080Q	2-Oct-13	1725 CICOTTE	ORMET/ALMA	SOW	2-Oct-13
123	BAR2866	108/0080	2-Oct-13	1725 CICOTTE	ALMA	SOW	2-Oct-13
124	BAR2867	119/5428	2-Oct-13	1725 CICOTTE	ALMA	SOW	2-Oct-13
125	BAR2868	33/611 A/B	2-Oct-13	1725 CICOTTE	ALMA	SOW	2-Oct-13
126	BAR3007	5428	2-Oct-13	17423 WEST JEFFERSON	ORMET	SOW	2-Oct-13
127	BAR3008	611 A/B	2-Oct-13	17423 WEST JEFFERSON	ORMET	SOW	2-Oct-13
128	BAR3009	5428	2-Oct-13	17423 WEST JEFFERSON	ORMET	SOW	2-Oct-13
129	BAR3010	611 A/B	2-Oct-13	17423 WEST JEFFERSON	ORMET	SOW	2-Oct-13
130	BAR3011	5428	2-Oct-13	17423 WEST JEFFERSON	ORMET	SOW	2-Oct-13
131	BAR3012	611 A/B	2-Oct-13	17423 WEST JEFFERSON	ORMET	SOW	2-Oct-13
132	BAR3055	4/4B	2-Oct-13	2599 22ND ST	ALCOA	SOW	2-Oct-13
133	BAR3056	6/806	2-Oct-13	2599 22ND ST	ALCOA/ABCQ	SOW/TBAR	2-Oct-13
134	BAR3057	4/413	2-Oct-13	2599 22ND ST	ABCQ/ABI	TBAR	2-Oct-13
135	BAR3058	6/806	2-Oct-13	2599 22ND ST	ABCQ/ABI	TBAR	2-Oct-13

	H	I	J	K	L	M	N	O	P
91	1200 E. MCNICHOLS	66	86,954	39.442	FULL CIR	3037-03	$215.00	$215.00	
92	1200 E. MCNICHOLS	54	73,213	33.209	CHAMPION	3038-03	$215.00	$215.00	
93	12850 E. NINE MILE	51	87,312	39.604	ALGER	2606-03	$235.00	$235.00	
94	12850 E. NINE MILE	58	87,981	39.908	CHAMPION	2607-03	$235.00	$235.00	
95	12850 E. NINE MILE	61	86,857	39.398	ALGER	2608-03	$235.00	$235.00	
96	12850 E. NINE MILE	62	87,588	39.729	CHAMPION	2609-03	$235.00	$235.00	
97	12850 E. NINE MILE	62	87,588	39.729	ALGER	2610-03	$235.00	$235.00	
98	12850 E. NINE MILE	56	87,704	39.782	CHAMPION	2611-03	$235.00	$235.00	
99	12850 E. NINE MILE	53	86,847	39.393	ALGER	2612-03	$235.00	$235.00	
100	12850 E. NINE MILE	54	87,711	39.785	ALGER	2613-03	$235.00	$235.00	
101	1550 SUPERIOR PKWY	55	87,767	39.810	FOUR STAR	1567602-00	$300.00	$300.00	
102	1550 SUPERIOR PKWY	55	87,360	39.626	FOUR STAR	1567604-00	$300.00	$300.00	
103	1550 SUPERIOR PKWY	55	87,660	39.762	FOUR STAR	1567605-00	$300.00	$300.00	
104	1550 SUPERIOR PKWY	55	87,360	39.626	FOUR STAR	1567606-00	$300.00	$300.00	
105	1550 SUPERIOR PKWY	55	87,150	39.531	FOUR STAR	1567607-00	$300.00	$300.00	
106	1550 SUPERIOR PKWY	55	87,253	39.577	FOUR STAR	1567608-00	$300.00	$300.00	
107	1550 SUPERIOR PKWY	55	87,441	39.663	FOUR STAR	1567609-00	$300.00	$300.00	
108	1550 SUPERIOR PKWY	55	87,800	39.825	FOUR STAR	1567610-00	$300.00	$300.00	
109	1550 SUPERIOR PKWY	55	87,705	39.782	FOUR STAR	1567611-00	$300.00	$300.00	
110	8650 MT. ELLIOTT	55	87,531	39.703	FCT				
111	21100 TROLLEY	24	55,316	25.091	FCT				
112	151 LAFAYETTE	58	87,087	39.502	CLASSIC	226	$200.00	$200.00	
113	151 LAFAYETTE	59	86,949	39.439	CLASSIC	226	$200.00	$200.00	
114	151 LAFAYETTE	60	86,798	39.371	CLASSIC	226	$200.00	$200.00	
115	151 LAFAYETTE	61	87,284	39.591	CLASSIC	226	$200.00	$200.00	
116	151 LAFAYETTE	61	87,438	39.661	CLASSIC	226	$200.00	$200.00	
117	151 LAFAYETTE	59	86,664	39.310	CLASSIC	226	$200.00	$200.00	
118	151 LAFAYETTE	56	87,756	39.805	CLASSIC	226	$200.00	$200.00	
119	151 LAFAYETTE	55	87,038	39.480	CLASSIC	226	$200.00	$200.00	
120	20495 PENNSYLVANIA	65	87,889	39.866	CLASSIC	226	$200.00	$200.00	
121	20495 PENNSYLVANIA	65	87,864	39.854	CLASSIC	226	$200.00	$200.00	
122	20495 PENNSYLVANIA	62	86,483	39.228	CLASSIC	226	$200.00	$200.00	
123	20495 PENNSYLVANIA	63	87,021	39.472	CLASSIC	226	$200.00	$200.00	
124	20495 PENNSYLVANIA	64	86,850	39.395	CLASSIC	226	$200.00	$200.00	
125	20495 PENNSYLVANIA	64	87,326	39.610	CLASSIC	226	$200.00	$200.00	
126	20495 PENNSYLVANIA	59	86,837	39.389	CLASSIC	226	$200.00	$200.00	
127	20495 PENNSYLVANIA	61	87,086	39.502	CLASSIC	226	$200.00	$200.00	
128	20495 PENNSYLVANIA	60	87,630	39.748	CLASSIC	226	$200.00	$200.00	
129	20495 PENNSYLVANIA	59	87,310	39.603	CLASSIC	226	$200.00	$200.00	
130	20495 PENNSYLVANIA	60	86,850	39.395	CLASSIC	226	$200.00	$200.00	
131	20495 PENNSYLVANIA	60	87,743	39.800	CLASSIC	226	$200.00	$200.00	
132	4815 CABOT	63	87,257	39.579	CLASSIC	226	$200.00	$200.00	
133	4815 CABOT	61	86,422	39.200	CLASSIC	226	$200.00	$200.00	
134	4815 CABOT	55	87,523	39.700	CLASSIC	226	$200.00	$200.00	
135	4815 CABOT	54	86,994	39.460	CLASSIC	226	$200.00	$200.00	

	A	B	C	D	E	F	G
136	BAR3059	4/4B	2-Oct-13	2599 22ND ST	ABCQ	TBAR	2-Oct-13
137	BAR3060	6/806	2-Oct-13	2599 22ND ST	ABCQ	TBAR	2-Oct-13
138	BAR3061	4/4B	2-Oct-13	2599 22ND ST	ABCQ	TBAR	2-Oct-13
139	BAR3062	6/806	2-Oct-13	2599 22ND ST	ABCQ	TBAR	2-Oct-13
140	BAR3129	108/48F600	2-Oct-13	1500 SUPERIOR PKWY	ORMET	SOW	2-Oct-13
141	BAR3128	108/48F600	2-Oct-13	1500 SUPERIOR PKWY	ORMET	SOW	2-Oct-13
142	BAR3127	108/48F600	2-Oct-13	1500 SUPERIOR PKWY	ORMET	SOW	2-Oct-13
143	BAR3133 LTL	108/48F600	2-Oct-13	1500 SUPERIOR PKWY	ORMET	SOW	2-Oct-13
144	BAR3130	108/48F600	2-Oct-13	1500 SUPERIOR PKWY	ORMET	SOW	2-Oct-13
145	BAR2698	35/35A	2-Oct-13	8650 MT. ELLIOTT	ABCQ	TBAR	2-Oct-13
146	BAR2699	35/35A	2-Oct-13	8650 MT. ELLIOTT	ABCQ	TBAR	2-Oct-13
147	BAR2700	35/35A	2-Oct-13	8650 MT. ELLIOTT	ABCQ	TBAR	2-Oct-13
148	BAR2701	3100/2133A	2-Oct-13	8650 MT. ELLIOTT	ABCQ/ALCOA	TBAR/SOW	2-Oct-13
149	BAR2702	0015/17A	2-Oct-13	8650 MT. ELLIOTT	ALCOA	SOW	2-Oct-13
150	BAR2703	095/17A	2-Oct-13	8650 MT. ELLIOTT	ALCOA	SOW	2-Oct-13
151	BAR2704	095/17A	2-Oct-13	8650 MT. ELLIOTT	ALCOA	SOW	2-Oct-13
152	BAR2705	095/17A	2-Oct-13	8650 MT. ELLIOTT	ALCOA	SOW	2-Oct-13
153	BAR2706	35/35A	2-Oct-13	8650 MT. ELLIOTT	ALCOA	SOW	2-Oct-13
154	BAR2754	3100/2133A	2-Oct-13	13542 HELEN	ALMA/ABI	SOW/TBAR	2-Oct-13
155	BAR2755	634/2139A	2-Oct-13	13542 HELEN	ALMA	SOW	2-Oct-13
156	BAR2756	3100/2133A	2-Oct-13	13542 HELEN	ALCOA/ALMA	SOW	2-Oct-13
157	BAR2757	634/2139A	2-Oct-13	13542 HELEN	ALCOA	SOW	2-Oct-13
158	BAR2758	3100/2133A	2-Oct-13	13542 HELEN	ALCOA	SOW	2-Oct-13
159	BAR3132 LTL	634/2139A	2-Oct-13	13542 HELEN	ALCOA	SOW	2-Oct-13
160	BAR2614	711-2138A	2-Oct-13	151 LAFAYETTE	ABCQ	TBAR	2-Oct-13
161	BAR2615	9934-2144	2-Oct-13	151 LAFAYETTE	ABCQ/ABI	TBAR	2-Oct-13
162	BAR2616	711-2138A	2-Oct-13	151 LAFAYETTE	ABCQ/ALCOA	TBAR/SOW	2-Oct-13
163	BAR2617	9934-2144	2-Oct-13	151 LAFAYETTE	ABI/SHA/ALCOA	TBAR/SOW	2-Oct-13
164	BAR2618	711-2138A	2-Oct-13	151 LAFAYETTE	ABCQ/ABI/SHA	TBAR/SOW	2-Oct-13
165	BAR2619	9934-2144	2-Oct-13	151 LAFAYETTE	ABI/SHA	TBAR/SOW	2-Oct-13
166	BAR2620	711-2138A	2-Oct-13	151 LAFAYETTE	SHA/DUBUC	SOW/TBAR	2-Oct-13
167	BAR2621	9934-2144	2-Oct-13	151 LAFAYETTE	DUBAC/SHA	TBAR/SOW	2-Oct-13
168	BAR2934	1018	2-Oct-13	20495 PENNSYLVANIA RD	ABCQ	TBAR	2-Oct-13
169	BAR2935	1025	2-Oct-13	20495 PENNSYLVANIA RD	ABCQ	TBAR	2-Oct-13
170	BAR2936	1008	2-Oct-13	20495 PENNSYLVANIA RD	ABCQ	TBAR	2-Oct-13
171	BAR2937	1011	2-Oct-13	20495 PENNSYLVANIA RD	ABCQ	TBAR	2-Oct-13
172	BAR2938	B348	2-Oct-13	20495 PENNSYLVANIA RD	ABCQ	TBAR	2-Oct-13
173	BAR2940	B348/6832	2-Oct-13	20495 PENNSYLVANIA RD	ABCQ	TBAR	2-Oct-13
174	BAR2939	1011	2-Oct-13	20495 PENNSYLVANIA RD	ABCQ	TBAR	2-Oct-13
175	BAR2524	119/5428	3-Oct-13	26090 23 MILE RD	ALOUETTE	SOW	3-Oct-13
176	BAR2525	093/9941 A/B	3-Oct-13	26090 23 MILE RD	ALOUETTE	SOW	3-Oct-13
177	BAR2526	119/5428	3-Oct-13	26090 23 MILE RD	ALOUETTE	SOW	3-Oct-13
178	BAR2527	093/9941 A/B	3-Oct-13	26090 23 MILE RD	ALOUETTE	SOW	3-Oct-13
179	BAR2528	119/5428	3-Oct-13	26090 23 MILE RD	ALOUETTE	SOW	3-Oct-13
180	BAR2529	093/9941 A/B	3-Oct-13	26090 23 MILE RD	ALOUETTE	SOW	3-Oct-13

	H	I	J	K	L	M	N	O	P
136	4815 CABOT	55	86,979	39.453	CLASSIC	226	$200.00	$200.00	
137	4815 CABOT	55	87,254	39.578	CLASSIC	226	$200.00	$200.00	
138	4815 CABOT	55	87,214	39.560	CLASSIC	226	$200.00	$200.00	
139	4815 CABOT	55	87,209	39.557	CLASSIC	226	$200.00	$200.00	
140	7900 HAGGERTY	59	86,500	39.236	ANDIAMO	1567813-00	$200.00	$200.00	
141	7900 HAGGERTY	59	86,679	39.317	ANDIAMO	1567814-00	$200.00	$200.00	
142	7900 HAGGERTY	62	87,684	39.773	ANDIAMO	1567815-00	$200.00	$200.00	
143	7900 HAGGERTY	30	44,920	20.375	ANDIAMO	1567816-00	$200.00	$200.00	
144	7900 HAGGERTY	59	86,590	39.277	ANDIAMO	1567817-00	$200.00	$200.00	
145	6590 LYNCH	55	86,624	39.292	FCT	2698-03	$215.00	$215.00	
146	6590 LYNCH	55	86,521	39.245	FCT	2699-03	$215.00	$215.00	
147	6590 LYNCH	56	87,868	39.856	FCT	2700-03	$215.00	$215.00	
148	6590 LYNCH	57	87,981	39.908	CHIEFS	2701-03	$215.00	$215.00	
149	6590 LYNCH	62	87,954	39.895	L & R	2702-13	$215.00	$215.00	
150	6590 LYNCH	62	87,813	39.831	L & R	2703-03	$215.00	$215.00	
151	6590 LYNCH	61	86,631	39.295	L & R	2704-03	$215.00	$215.00	
152	6590 LYNCH	62	86,873	39.405	L & R	2705-03	$215.00	$215.00	
153	6590 LYNCH	62	87,131	39.522	FCT	2706-03	$215.00	$215.00	
154	1200 E. MCNICHOLS	58	87,661	39.762	CHAMPION	2754-03	$215.00	$215.00	
155	1200 E. MCNICHOLS	68	87,575	39.723	CHAMPION	2755-03	$215.00	$215.00	
156	1200 E. MCNICHOLS	66	87,823	39.836	CHAMPION	2756-03	$215.00	$215.00	
157	1200 E. MCNICHOLS	65	87,172	39.541	CHAMPION	2757-03	$215.00	$215.00	
158	1200 E. MCNICHOLS	62	86,974	39.451	CHAMPION	2758-03	$215.00	$215.00	
159	1200 E. MCNICHOLS	3	4,227	1.917	CHAMPION	3132-03	$215.00	$215.00	
160	12850 E. NINE MILE	55	87,398	39.643	ALGER	2614-03	$235.00	$235.00	
161	12850 E. NINE MILE	58	86,952	39.441	CHAMPION	2615-03	$235.00	$235.00	
162	12850 E. NINE MILE	59	86,903	39.419	ALGER	2616-03	$235.00	$235.00	
163	12850 E. NINE MILE	58	87,613	39.741	CHAMPION	2617-03	$235.00	$235.00	
164	12850 E. NINE MILE	54	86,399	39.190	ALGER	2618-03	$235.00	$235.00	
165	12850 E. NINE MILE	53	86,289	39.140	CHAMPION	2619-03	$235.00	$235.00	
166	12850 E. NINE MILE	55	87,031	39.477	ALGER	2620-03	$235.00	$235.00	
167	12850 E. NINE MILE	57	87,444	39.664	CHAMPION	2621-03	$235.00	$235.00	
168	1550 SUPERIOR PKWY	55	87,581	39.726	FOUR STAR	1567818-00	$300.00	$300.00	
169	1550 SUPERIOR PKWY	58	87,403	39.645	FOUR STAR	1567819-00	$300.00	$300.00	
170	1550 SUPERIOR PKWY	55	86,744	39.346	FOUR STAR	1567820-00	$300.00	$300.00	
171	1550 SUPERIOR PKWY	55	87,345	39.619	FOUR STAR	1567821-00	$300.00	$300.00	
172	1550 SUPERIOR PKWY	55	87,335	39.615	FOUR STAR	1567822-00	$300.00	$300.00	
173	1550 SUPERIOR PKWY	57	87,953	39.895	FOUR STAR	1567823-00	$300.00	$300.00	
174	1550 SUPERIOR PKWY	55	87,355	39.624	FOUR STAR	1567824-00	$300.00	$300.00	
175	151 LAFAYETTE	56	87,104	39.510	CLASSIC	226	$200.00	$200.00	
176	151 LAFAYETTE	56	87,665	39.764	CLASSIC	226	$200.00	$200.00	
177	151 LAFAYETTE	55	87,592	39.731	CLASSIC	226	$200.00	$200.00	
178	151 LAFAYETTE	55	86,633	39.296	CLASSIC	226	$200.00	$200.00	
179	151 LAFAYETTE	55	86,922	39.427	CLASSIC	226	$200.00	$200.00	
180	151 LAFAYETTE	56	87,806	39.828	CLASSIC	226	$200.00	$200.00	

	A	B	C	D	E	F	G
181	BAR2530	119/5428	3-Oct-13	26090 23 MILE RD	ALOUETTE	SOW	3-Oct-13
182	BAR2531	093/9941 A/B	3-Oct-13	26090 23 MILE RD	ALOUETTE	SOW	3-Oct-13
183	BAR2869	520/2112	3-Oct-13	1725 CICOTTE	ALCOA/ALMA	SOW	3-Oct-13
184	BAR2870	520/2112	3-Oct-13	1725 CICOTTE	ALCOA/ORMET	SOW	3-Oct-13
185	BAR2871	520/2112	3-Oct-13	1725 CICOTTE	ORMET	SOW	3-Oct-13
186	BAR2872	520/2112	3-Oct-13	1725 CICOTTE	ALCOA/ORMET	SOW	3-Oct-13
187	BAR2873	520/2112	3-Oct-13	1725 CICOTTE	ALCOA	SOW	3-Oct-13
188	BAR2874	33/611 A/B	3-Oct-13	1725 CICOTTE	ALCOA	SOW	3-Oct-13
189	BAR3013	611 A/B	3-Oct-13	17423 WEST JEFFERSON	ORMET	SOW	3-Oct-13
190	BAR3014	806	3-Oct-13	17423 WEST JEFFERSON	ORMET	SOW	3-Oct-13
191	BAR3015	611 A/B	3-Oct-13	17423 WEST JEFFERSON	ORMET	SOW	3-Oct-13
192	BAR3016	806	3-Oct-13	17423 WEST JEFFERSON	ORMET/ABCQ	SOW/TBAR	3-Oct-13
193	BAR3017	611 A/B	3-Oct-13	17423 WEST JEFFERSON	ORMET/ABCQ	SOW/TBAR	3-Oct-13
194	BAR3018	806	3-Oct-13	17423 WEST JEFFERSON	ORMET	SOW	3-Oct-13
195	BAR3063	108/0080	3-Oct-13	2599 22ND ST	ABCQ	TBAR	3-Oct-13
196	BAR3064	4 43	3-Oct-13	2599 22ND ST	ABCQ	TBAR	3-Oct-13
197	BAR3065	108/0080	3-Oct-13	2599 22ND ST	ABCQ	TBAR	3-Oct-13
198	BAR3066	4 43	3-Oct-13	2599 22ND ST	ABCQ	TBAR	3-Oct-13
199	BAR3067	108/0080	3-Oct-13	2599 22ND ST	ABCQ/ALOUETTE	TBAR/ING	3-Oct-13
200	BAR3068	4/4B	3-Oct-13	2599 22ND ST	ABCQ/ALOUETTE	TBAR/ING	3-Oct-13
201	BAR3069	108/0080	3-Oct-13	2599 22ND ST	ABCQ	TBAR	3-Oct-13
202	BAR3070	4/4B	3-Oct-13	2599 22ND ST	ABCQ/ALCOA	TBAR/SOW	3-Oct-13
203	BAR2707	095/17A	3-Oct-13	8650 MT. ELLIOTT	ALCOA	SOW	3-Oct-13
204	BAR2708	78/2147A	3-Oct-13	8650 MT. ELLIOTT	ALCOA	SOW	3-Oct-13
205	BAR2709	78/2147A	3-Oct-13	8650 MT. ELLIOTT	ALCOA	SOW	3-Oct-13
206	BAR2710	35/35A	3-Oct-13	8650 MT. ELLIOTT	ALCOA	SOW	3-Oct-13
207	BAR2711	35/35A	3-Oct-13	8650 MT. ELLIOTT	ALCOA	SOW	3-Oct-13
208	BAR2712	35/35A	3-Oct-13	8650 MT. ELLIOTT	ALCOA	SOW	3-Oct-13
209	BAR2713	095/17A	3-Oct-13	8650 MT. ELLIOTT	ALCOA	SOW	3-Oct-13
210	BAR2714	78/2147A	3-Oct-13	8650 MT. ELLIOTT	ALCOA	SOW	3-Oct-13
211	BAR2715	095/17A	3-Oct-13	8650 MT. ELLIOTT	ALCOA	SOW	3-Oct-13
212	BAR2716	095/17A	3-Oct-13	8650 MT. ELLIOTT	ALCOA	SOW	3-Oct-13
213	BAR2810	35/35A	3-Oct-13	4815 CABOT	ALOUETTE	ING	3-Oct-13
214	BAR2811	30100/30100A	3-Oct-13	4815 CABOT	ALOUETTE	ING	3-Oct-13
215	BAR2812	78/78A	3-Oct-13	4815 CABOT	ALOUETTE/ALMA	ING/SOW	3-Oct-13
216	BAR2813	634/634A	3-Oct-13	4815 CABOT	ALCOA/ALMA	SOW	3-Oct-13
217	BAR2814	634/634A	3-Oct-13	4815 CABOT	ALCOA	SOW	3-Oct-13
218	BAR2815	30100/30100A	3-Oct-13	4815 CABOT	ALOUETTE/ALCOA	ING/SOW	3-Oct-13
219	BAR2816	30100/30100A	3-Oct-13	4815 CABOT	ALOUETTE/ALCOA	ING/SOW	3-Oct-13
220	BAR2817	30100/30100A	3-Oct-13	4815 CABOT	ALCOA	SOW	3-Oct-13
221	BAR2622	711-2138A	3-Oct-13	151 LAFAYETTE	SHA	SOW	3-Oct-13
222	BAR2623	9934-2144	3-Oct-13	151 LAFAYETTE	ABI/SHA	TBAR/SOW	3-Oct-13
223	BAR2624	711-2138A	3-Oct-13	151 LAFAYETTE	ABI	TBAR	3-Oct-13
224	BAR2625	9934-2144	3-Oct-13	151 LAFAYETTE	ABI/DUBUC	TBAR	3-Oct-13
225	BAR2626	711-2138A	3-Oct-13	151 LAFAYETTE	DUBUC	TBAR	3-Oct-13

	H	I	J	K	L	M	N	O	P
181	151 LAFAYETTE	55	87,142	39.527	CLASSIC	226	$200.00	$200.00	
182	151 LAFAYETTE	56	86,809	39.376	CLASSIC	226	$200.00	$200.00	
183	20495 PENNSYLVANIA	63	87,454	39.669	CLASSIC	226	$200.00	$200.00	
184	20495 PENNSYLVANIA	60	86,941	39.436	CLASSIC	226	$200.00	$200.00	
185	20495 PENNSYLVANIA	60	86,858	39.398	CLASSIC	226	$200.00	$200.00	
186	20495 PENNSYLVANIA	60	86,992	39.459	CLASSIC	226	$200.00	$200.00	
187	20495 PENNSYLVANIA	65	86,687	39.321	CLASSIC	226	$200.00	$200.00	
188	20495 PENNSYLVANIA	65	87,370	39.630	CLASSIC	226	$200.00	$200.00	
189	20495 PENNSYLVANIA	60	87,372	39.631	CLASSIC	226	$200.00	$200.00	
190	20495 PENNSYLVANIA	60	87,473	39.677	CLASSIC	226	$200.00	$200.00	
191	20495 PENNSYLVANIA	60	86,898	39.416	CLASSIC	226	$200.00	$200.00	
192	20495 PENNSYLVANIA	59	87,319	39.607	CLASSIC	226	$200.00	$200.00	
193	20495 PENNSYLVANIA	58	87,845	39.846	CLASSIC	226	$200.00	$200.00	
194	20495 PENNSYLVANIA	58	86,625	39.292	CLASSIC	226	$200.00	$200.00	
195	4815 CABOT	55	87,116	39.515	CLASSIC	226	$200.00	$200.00	
196	4815 CABOT	55	87,400	39.644	CLASSIC	226	$200.00	$200.00	
197	4815 CABOT	55	87,239	39.571	CLASSIC	226	$200.00	$200.00	
198	4815 CABOT	55	87,195	39.551	CLASSIC	226	$200.00	$200.00	
199	4815 CABOT	46	87,646	39.756	CLASSIC	226	$200.00	$200.00	
200	4815 CABOT	54	87,998	39.915	CLASSIC	226	$200.00	$200.00	
201	4815 CABOT	55	87,210	39.558	CLASSIC	226	$200.00	$200.00	
202	4815 CABOT	58	87,916	39.878	CLASSIC	226	$200.00	$200.00	
203	6590 LYNCH	62	87,106	39.511	L & R	2707-03	$215.00	$215.00	
204	6590 LYNCH	62	87,499	39.689	FCT	2708-03	$215.00	$215.00	
205	6590 LYNCH	61	86,537	39.253	FCT	2709-03	$215.00	$215.00	
206	6590 LYNCH	61	87,766	39.810	FCT	2710-3	$215.00	$215.00	
207	6590 LYNCH	64	87,625	39.746	FCT	2711-03	$215.00	$215.00	
208	6590 LYNCH	66	87,029	39.476	FCT	2712-03	$215.00	$215.00	
209	6590 LYNCH	64	87,126	39.520	L & R	2713-03	$215.00	$215.00	
210	6590 LYNCH	66	87,071	39.495	FCT	2714-03	$215.00	$215.00	
211	6590 LYNCH	65	87,109	39.512	L & R	2715-03	$215.00	$215.00	
212	6590 LYNCH	66	87,865	39.855	L & R	2716-03	$215.00	$215.00	
213	3801 W JEFFERSON	38	87,819	39.834	FULL CIR	2810-03	$225.00	$225.00	
214	3801 W JEFFERSON	37	86,537	39.253	CHIEFS	2811-03	$225.00	$225.00	
215	3801 W JEFFERSON	48	87,738	39.797	FULL CIR	2812-03	$225.00	$225.00	
216	3801 W JEFFERSON	62	87,957	39.897	CHAMPION	2813-03	$225.00	$225.00	
217	3801 W JEFFERSON	57	87,256	39.579	CHAMPION	2814-03	$225.00	$225.00	
218	3801 W JEFFERSON	39	86,817	39.380	CHIEFS	2815-03	$225.00	$225.00	
219	3801 W JEFFERSON	38	86,712	39.332	CHIEFS	2816-03	$225.00	$225.00	
220	3801 W JEFFERSON	64	87,857	39.851	CHIEFS	2817-03	$225.00	$225.00	
221	12850 E. NINE MILE	53	86,677	39.316	ALGER	2622-03	$235.00	$235.00	
222	12850 E. NINE MILE	56	86,933	39.432	CHAMPION	2623-03	$235.00	$235.00	
223	12850 E. NINE MILE	54	87,455	39.669	ALGER	2624-03	$235.00	$235.00	
224	12850 E. NINE MILE	58	87,120	39.517	CHAMPION	2625-03	$235.00	$235.00	
225	12850 E. NINE MILE	60	87,159	39.535	ALGER	2626-03	$235.00	$235.00	

	A	B	C	D	E	F	G
226	BAR2627	9934-2144	3-Oct-13	151 LAFAYETTE	DUBUC	TBAR	3-Oct-13
227	BAR2628	711-2138A	3-Oct-13	151 LAFAYETTE	DUBUC	TBAR	3-Oct-13
228	BAR2629	9934-2144	3-Oct-13	151 LAFAYETTE	DUBUC	TBAR	3-Oct-13
229	BAR2941	1018/1018A	3-Oct-13	20495 PENNSYLVANIA RD	ABCQ	TBAR	3-Oct-13
230	BAR2942	1025/1025A	3-Oct-13	20495 PENNSYLVANIA RD	ABCQ	TBAR	3-Oct-13
231	BAR2944	92/92A	3-Oct-13	20495 PENNSYLVANIA RD	ABCQ	TBAR	3-Oct-13
232	BAR2945	1018/1018A	3-Oct-13	20495 PENNSYLVANIA RD	ABCQ	TBAR	3-Oct-13
233	BAR2947	1025/1025A	3-Oct-13	20495 PENNSYLVANIA RD	ABCQ	TBAR	3-Oct-13
234	BAR2948	B3488832	3-Oct-13	20495 PENNSYLVANIA RD	ABCQ/ALCOA	TBAR/SOW	3-Oct-13
235	BAR2943	B348/8832	3-Oct-13	20495 PENNSYLVANIA RD	ABCQ	TBAR	3-Oct-13
236	BAR2946	B3488832	3-Oct-13	20495 PENNSYLVANIA RD	ABCQ	TBAR	3-Oct-13
237	BAR2532	093/9941	4-Oct-13	26090 23 MILE RD	ALOUETTE	SOW	4-Oct-13
238	BAR2533	119/5428	4-Oct-13	26090 23 MILE RD	ALOUETTE	SOW	4-Oct-13
239	BAR2534	093/9941 A/B	4-Oct-13	26090 23 MILE RD	ALOUETTE	SOW	4-Oct-13
240	BAR2535	119/5428	4-Oct-13	26090 23 MILE RD	ALOUETTE	SOW	4-Oct-13
241	BAR2536	093/9941 A/B	4-Oct-13	26090 23 MILE RD	ALOUETTE	SOW	4-Oct-13
242	BAR2537	119/5428	4-Oct-13	26090 23 MILE RD	ALOUETTE	SOW	4-Oct-13
243	BAR2538	093/9941A/B	4-Oct-13	26090 23 MILE RD	ALOUETTE	SOW	4-Oct-13
244	BAR2539	119/5428	4-Oct-13	26090 23 MILE RD	ALOUETTE	SOW	4-Oct-13
245	BAR2875	108/0080	4-Oct-13	1725 CICOTTE	ALCOA	SOW	4-Oct-13
246	BAR2876	520/2112	4-Oct-13	1725 CICOTTE	ALCOA	SOW	4-Oct-13
247	BAR2877	33/611 A/B	4-Oct-13	1725 CICOTTE	ALCOA	SOW	4-Oct-13
248	BAR2878	520/2112	4-Oct-13	1725 CICOTTE	ALCOA	SOW	4-Oct-13
249	BAR2879	520/2112	4-Oct-13	1725 CICOTTE	ALCOA/ALMA	SOW	4-Oct-13
250	BAR2880	33/611 A/B	4-Oct-13	1725 CICOTTE	ALMA	SOW	4-Oct-13
251	BAR3019		4-Oct-13	17423 WEST JEFFERSON	ORMET	SOW	4-Oct-13
252	BAR3020	611 A/B	4-Oct-13	17423 WEST JEFFERSON	ORMET	SOW	4-Oct-13
253	BAR3021	0 0 80	4-Oct-13	17423 WEST JEFFERSON	ORMET	SOW	4-Oct-13
254	BAR3022	2112	4-Oct-13	17423 WEST JEFFERSON	ORMET	SOW	4-Oct-13
255	BAR3023	611 A/B	4-Oct-13	17423 WEST JEFFERSON	ORMET	SOW	4-Oct-13
256	BAR3024	0 0 80	4-Oct-13	17423 WEST JEFFERSON	ORMET	SOW	4-Oct-13
257	BAR3071	4/4B	4-Oct-13	2599 22ND ST	ALCOA	SOW	4-Oct-13
258	BAR3072	6/806	4-Oct-13	2599 22ND ST	ALCOA	SOW	4-Oct-13
259	BAR3073	4/4B	4-Oct-13	2599 22ND ST	ALCOA/ABCQ	SOW/TBAR	4-Oct-13
260	BAR3074	6/806	4-Oct-13	2599 22ND ST	ABCQ	SOW	4-Oct-13
261	BAR3075	4/4B	4-Oct-13	2599 22ND ST	ABCQ	TBAR	4-Oct-13
262	BAR3076	4/4B	4-Oct-13	2599 22ND ST	ABCQ	TBAR	4-Oct-13
263	BAR3077	4/4B	4-Oct-13	2599 22ND ST	ABCQ	TBAR	4-Oct-13
264	BAR3078	15097/15097A	4-Oct-13	2599 22ND ST	ABCQ	TBAR	4-Oct-13
265	BAR2717	095/17A	4-Oct-13	8650 MT. ELLIOTT	ALCOA	SOW	4-Oct-13
266	BAR2718	095/17A	4-Oct-13	8650 MT. ELLIOTT	ALCOA	SOW	4-Oct-13
267	BAR2719	35/35A	4-Oct-13	8650 MT. ELLIOTT	ALCOA	SOW	4-Oct-13
268	BAR2720	095/17A	4-Oct-13	8650 MT. ELLIOTT	ALCOA	SOW	4-Oct-13
269	BAR2721	35/35A	4-Oct-13	8650 MT. ELLIOTT	ALCOA	SOW	4-Oct-13
270	BAR2722	35/35A	4-Oct-13	8650 MT. ELLIOTT	ALCOA	SOW	4-Oct-13

	H	I	J	K	L	M	N	O	P
226	12850 E. NINE MILE	60	87,150	39.531	CHAMPION	2627-03	$235.00	$235.00	
227	12850 E. NINE MILE	60	87,222	39.563	ALGER	2628-03	$235.00	$235.00	
228	12850 E. NINE MILE	60	87,306	39.601	CHAMPION	2629-03	$235.00	$235.00	
229	1550 SUPERIOR PKWY	59	87,201	39.554	FOUR STAR	1567976-00	$300.00	$300.00	
230	1550 SUPERIOR PKWY	58	87,142	39.527	FOUR STAR	1567977-00	$300.00	$300.00	
231	1550 SUPERIOR PKWY	55	87,408	39.648	FOUR STAR	1567978-00	$300.00	$300.00	
232	1550 SUPERIOR PKWY	55	87,527	39.702	FOUR STAR	1567979-00	$300.00	$300.00	
233	1550 SUPERIOR PKWY	58	87,406	39.647	FOUR STAR	1567980-00	$300.00	$300.00	
234	1550 SUPERIOR PKWY	56	87,561	39.717	FOUR STAR	1567981-00	$300.00	$300.00	
235	1550 SUPERIOR PKWY	55	86,726	39.338	FOUR STAR	1567982-00	$300.00	$300.00	
236	1550 SUPERIOR PKWY	59	87,743	39.800	FOUR STAR	1567983-00	$300.00	$300.00	
237	151 LAFAYETTE	55	86,740	39.345	CLASSIC	226	$200.00	$200.00	
238	151 LAFAYETTE	55	86,768	39.357	CLASSIC	226	$200.00	$200.00	
239	151 LAFAYETTE	56	87,932	39.885	CLASSIC	226	$200.00	$200.00	
240	151 LAFAYETTE	56	87,322	39.609	CLASSIC	226	$200.00	$200.00	
241	151 LAFAYETTE	55	86,679	39.317	CLASSIC	226	$200.00	$200.00	
242	151 LAFAYETTE	55	86,551	39.259	CLASSIC	226	$200.00	$200.00	
243	151 LAFAYETTE	56	87,979	39.907	CLASSIC	226	$200.00	$200.00	
244	151 LAFAYETTE	55	86,784	39.365	CLASSIC	226	$200.00	$200.00	
245	20495 PENNSYLVANIA	63	86,726	39.338	CLASSIC	226	$200.00	$200.00	
246	20495 PENNSYLVANIA	64	87,025	39.474	CLASSIC	226	$200.00	$200.00	
247	20495 PENNSYLVANIA	64	86,937	39.434	CLASSIC	226	$200.00	$200.00	
248	20495 PENNSYLVANIA	63	87,379	39.634	CLASSIC	226	$200.00	$200.00	
249	20495 PENNSYLVANIA	64	87,056	39.488	CLASSIC	226	$200.00	$200.00	
250	20495 PENNSYLVANIA	63	87,642	39.754	CLASSIC	226	$200.00	$200.00	
251	20495 PENNSYLVANIA	60	87,912	39.876	CLASSIC	226	$200.00	$200.00	
252	20495 PENNSYLVANIA	59	86,598	39.280	CLASSIC	226	$200.00	$200.00	
253	20495 PENNSYLVANIA	59	86,654	39.306	CLASSIC	226	$200.00	$200.00	
254	20495 PENNSYLVANIA	61	87,389	39.639	CLASSIC	226	$200.00	$200.00	
255	20495 PENNSYLVANIA	61	87,655	39.760	CLASSIC	226	$200.00	$200.00	
256	20495 PENNSYLVANIA	61	87,999	39.916	CLASSIC	226	$200.00	$200.00	
257	4815 CABOT	66	87,769	39.811	CLASSIC	226	$200.00	$200.00	
258	4815 CABOT	65	87,120	39.517	CLASSIC	226	$200.00	$200.00	
259	4815 CABOT	57	87,994	39.913	CLASSIC	226	$200.00	$200.00	
260	4815 CABOT	55	87,068	39.493	CLASSIC	226	$200.00	$200.00	
261	4815 CABOT	55	87,238	39.571	CLASSIC	226	$200.00	$200.00	
262	4815 CABOT	55	87,341	39.617	CLASSIC	226	$200.00	$200.00	
263	4815 CABOT	55	87,281	39.590	CLASSIC	226	$200.00	$200.00	
264	4815 CABOT	55	87,638	39.752	CLASSIC	226	$200.00	$200.00	
265	6590 LYNCH	65	87,294	39.598	L & R	2717-03	$215.00	$215.00	
266	6590 LYNCH	64	87,147	39.529	L & R	2718-03	$215.00	$215.00	
267	6590 LYNCH	66	87,619	39.743	FCT	2719-03	$215.00	$215.00	
268	6590 LYNCH	65	87,377	39.634	L & R	2720-03	$215.00	$215.00	
269	6590 LYNCH	66	87,535	39.705	FCT	2721-03	$215.00	$215.00	
270	6590 LYNCH	66	87,511	39.694	FCT	2722-03	$215.00	$215.00	

	A	B	C	D	E	F	G
271	BAR2723	095/17A	4-Oct-13	8650 MT. ELLIOTT	ALCOA	SOW	4-Oct-13
272	BAR2724	35/35A	4-Oct-13	8650 MT. ELLIOTT	ALCOA	SOW	4-Oct-13
273	BAR2725	35/35A	4-Oct-13	8650 MT. ELLIOTT	ALCOA	SOW	4-Oct-13
274	BAR2726	095/17A	4-Oct-13	8650 MT. ELLIOTT	ALCOA	SOW	4-Oct-13
275	BAR2818	78/2147A	4-Oct-13	4815 CABOT	ALCOA	SOW	4-Oct-13
276	BAR2819	634/634A	4-Oct-13	4815 CABOT	ALCOA	SOW	4-Oct-13
277	BAR2820	634/634A	4-Oct-13	4815 CABOT	ALCOA	SOW	4-Oct-13
278	BAR2821	634/634A	4-Oct-13	4815 CABOT	ALCOA	SOW	4-Oct-13
279	BAR2822	78/2147A	4-Oct-13	4815 CABOT	ALCOA	SOW	4-Oct-13
280	BAR2823	78/2147A	4-Oct-13	4815 CABOT	ALCOA	SOW	4-Oct-13
281	BAR2825	111/111A	4-Oct-13	4815 CABOT	ALCOA	SOW	4-Oct-13
282	BAR2826	413/2141A	4-Oct-13	4815 CABOT	ALCOA	SOW	4-Oct-13
283	BAR2630	711-2138A	4-Oct-13	151 LAFAYETTE	DUBUC/ALCOA	TBAR/SOW	4-Oct-13
284	BAR2631	9934-2144	4-Oct-13	151 LAFAYETTE	ABI	TBAR	4-Oct-13
285	BAR2632	711-2138A	4-Oct-13	151 LAFAYETTE	ABI	TBAR	4-Oct-13
286	BAR2633	9934-2144	4-Oct-13	151 LAFAYETTE	ABI/SHA	TBARSOW	4-Oct-13
287	BAR2634	711-2138A	4-Oct-13	151 LAFAYETTE	SHA	SOW	4-Oct-13
288	BAR2635	9934-2144	4-Oct-13	151 LAFAYETTE	SHA	SOW	4-Oct-13
289	BAR2636	711-2138A	4-Oct-13	151 LAFAYETTE	SHA	SOW	4-Oct-13
290	BAR2637	9934-2144	4-Oct-13	151 LAFAYETTE	SHA/ABI	SOW/TBAR	4-Oct-13
291	BAR2824	108/108A	4-Oct-13	4815 CABOT	ALCOA	SOW	4-Oct-13
292	BAR2951	007/007	4-Oct-13	20495 PENNSYLVANIA RD	ALCOA	SOW	4-Oct-13
293	BAR2950	1011/1011A	4-Oct-13	20495 PENNSYLVANIA RD	ALCOA	SOW	4-Oct-13
294	BAR2952	357/A357	4-Oct-13	20495 PENNSYLVANIA RD	ALCOA	SOW	4-Oct-13
295	BAR2954	1011/1011A	4-Oct-13	20495 PENNSYLVANIA RD	ALCOA	SOW	4-Oct-13
296	BAR2956	863/8016	4-Oct-13	20495 PENNSYLVANIA RD	ALCOA	SOW	4-Oct-13
297	BAR2955	864/8832	4-Oct-13	20495 PENNSYLVANIA RD	ALCOA	SOW	4-Oct-13
298	BAR2949	864/8807	4-Oct-13	20495 PENNSYLVANIA RD	ALCOA	SOW	4-Oct-13
299	BAR2953	864/8807	4-Oct-13	20495 PENNSYLVANIA RD	ALCOA	SOW	4-Oct-13
300	BAR2540	093/9941	7-Oct-13	26090 23 MILE RD	ALOUETTE	SOW	7-Oct-13
301	BAR2541	119/5428	7-Oct-13	26090 23 MILE RD	ALOUETTE	SOW	7-Oct-13
302	BAR2542	093/9941 A/B	7-Oct-13	26090 23 MILE RD	ALOUETTE	SOW	7-Oct-13
303	BAR2543	119/5428	7-Oct-13	26090 23 MILE RD	ALOUETTE	SOW	7-Oct-13
304	BAR2544	093/9941 A/B	7-Oct-13	26090 23 MILE RD	ALOUETTE	SOW	7-Oct-13
305	BAR2545	119/5428	7-Oct-13	26090 23 MILE RD	ALOUETTE	SOW	7-Oct-13
306	BAR2546	093/9941 A/B	7-Oct-13	26090 23 MILE RD	ALOUETTE	SOW	7-Oct-13
307	BAR2547	119/5428	7-Oct-13	26090 23 MILE RD	ALOUETTE/SHA	SOW	7-Oct-13
308	BAR2881	520/2112	7-Oct-13	1725 CICOTTE	ALMA	SOW	7-Oct-13
309	BAR2882	520/2112	7-Oct-13	1725 CICOTTE	ALMA	SOW	7-Oct-13
310	BAR2883	520/2112	7-Oct-13	1725 CICOTTE	ALMA/ALCOA	SOW	7-Oct-13
311	BAR2884	520/2112	7-Oct-13	1725 CICOTTE	ALCOA/ALMA	SOW	7-Oct-13
312	BAR2885	520/2112	7-Oct-13	1725 CICOTTE	ALMA	SOW	7-Oct-13
313	BAR2886	520/2112	7-Oct-13	1725 CICOTTE	ALMA	SOW	7-Oct-13
314	BAR3025	0 0 80	7-Oct-13	17423 WEST JEFFERSON	ORMET	SOW	7-Oct-13
315	BAR3026	611 A/B	7-Oct-13	17423 WEST JEFFERSON	ORMET	SOW	7-Oct-13

	H	I	J	K	L	M	N	O	P
271	6590 LYNCH	65	87,761	39.808	L & R	2723-03	$215.00	$215.00	
272	6590 LYNCH	65	87,194	39.551	FCT	2724-03	$215.00	$215.00	
273	6590 LYNCH	64	87,238	39.571	FCT	2725-03	$215.00	$215.00	
274	6590 LYNCH	63	87,682	39.772	L & R	2726-03	$215.00	$215.00	
275	3801 W JEFFERSON	65	87,126	39.520	FULL CIR	2818-03	$225.00	$225.00	
276	3801 W JEFFERSON	64	86,869	39.403	CHAMPION	2819-03	$225.00	$225.00	
277	3801 W JEFFERSON	65	87,992	39.913	CHAMPION	2820-03	$225.00	$225.00	
278	3801 W JEFFERSON	64	87,595	39.732	CHAMPION	2821-03	$225.00	$225.00	
279	3801 W JEFFERSON	63	86,864	39.401	FULL CIR	2822-03	$225.00	$225.00	
280	3801 W JEFFERSON	65	86,717	39.334	FULL CIR	2823-03	$225.00	$225.00	
281	3801 W JEFFERSON	67	87,692	39.776	CHAMPION	2825-03	$225.00	$225.00	
282	3801 W JEFFERSON	64	87,964	39.900	CHAMPION	2826-03	$225.00	$225.00	
283	12850 E. NINE MILE	60	87,201	39.554	ALGER	2630-03	$235.00	$235.00	
284	12850 E. NINE MILE	54	87,824	39.836	CHAMPION	2631-03	$235.00	$235.00	
285	12850 E. NINE MILE	58	87,716	39.787	ALGER	2632-03	$235.00	$235.00	
286	12850 E. NINE MILE	53	86,586	39.275	CHAMPION	2633-03	$235.00	$235.00	
287	12850 E. NINE MILE	54	87,920	39.880	ALGER	2634-03	$235.00	$235.00	
288	12850 E. NINE MILE	53	86,913	39.423	CHAMPION	2635-03	$235.00	$235.00	
289	12850 E. NINE MILE	54	87,797	39.824	ALGER	2636-03	$235.00	$235.00	
290	12850 E. NINE MILE	53	86,596	39.279	CHAMPION	2637-03	$235.00	$235.00	
291	3801 W JEFFERSON	65	87,670	39.766	CHAMPION	2824-03	$235.00	$235.00	
292	1550 SUPERIOR PKWY	59	87,279	39.589	FOUR STAR	1568258-00	$300.00	$300.00	
293	1550 SUPERIOR PKWY	59	87,946	39.892	FOUR STAR	1568259-00	$300.00	$300.00	
294	1550 SUPERIOR PKWY	64	87,012	39.468	FOUR STAR	1568260-00	$300.00	$300.00	
295	1550 SUPERIOR PKWY	63	87,690	39.776	FOUR STAR	1568261-00	$300.00	$300.00	
296	1550 SUPERIOR PKWY	64	87,618	39.743	FOUR STAR	1568262-00	$300.00	$300.00	
297	1550 SUPERIOR PKWY	66	86,859	39.399	FOUR STAR	1568263-00	$300.00	$300.00	
298	1550 SUPERIOR PKWY	60	87,931	39.885	FOUR STAR	1568264-00	$300.00	$300.00	
299	1550 SUPERIOR PKWY	67	87,729	39.793	FOUR STAR	1568265-00	$300.00	$300.00	
300	151 LAFAYETTE	55	86,626	39.293	CLASSIC	229	$200.00	$200.00	
301	151 LAFAYETTE	55	86,877	39.407	CLASSIC	229	$200.00	$200.00	
302	151 LAFAYETTE	55	86,914	39.424	CLASSIC	229	$200.00	$200.00	
303	151 LAFAYETTE	55	86,700	39.327	CLASSIC	229	$200.00	$200.00	
304	151 LAFAYETTE	55	86,893	39.414	CLASSIC	229	$200.00	$200.00	
305	151 LAFAYETTE	55	86,775	39.361	CLASSIC	229	$200.00	$200.00	
306	151 LAFAYETTE	55	86,921	39.427	CLASSIC	229	$200.00	$200.00	
307	151 LAFAYETTE	54	86,430	39.204	CLASSIC	229	$200.00	$200.00	
308	20495 PENNSYLVANIA	63	87,069	39.494	CLASSIC	229	$200.00	$200.00	
309	20495 PENNSYLVANIA	64	86,720	39.336	CLASSIC	229	$200.00	$200.00	
310	20495 PENNSYLVANIA	62	86,640	39.299	CLASSIC	229	$200.00	$200.00	
311	20495 PENNSYLVANIA	62	87,534	39.705	CLASSIC	229	$200.00	$200.00	
312	20495 PENNSYLVANIA	62	87,193	39.550	CLASSIC	229	$200.00	$200.00	
313	20495 PENNSYLVANIA	64	87,806	39.828	CLASSIC	229	$200.00	$200.00	
314	20495 PENNSYLVANIA	59	86,756	39.352	CLASSIC	229	$200.00	$200.00	
315	20495 PENNSYLVANIA	61	86,992	39.459	CLASSIC	229	$200.00	$200.00	

	A	B	C	D	E	F	G
316	BAR3027	0 0 80	7-Oct-13	17423 WEST JEFFERSON	ORMET	SOW	7-Oct-13
317	BAR3028	0 0 80	7-Oct-13	17423 WEST JEFFERSON	ORMET	SOW	7-Oct-13
318	BAR3029	611 A/B	7-Oct-13	17423 WEST JEFFERSON	ORMET	SOW	7-Oct-13
319	BAR3030	0 0 80	7-Oct-13	17423 WEST JEFFERSON	ORMET	SOW	7-Oct-13
320	BAR3079	4/4B	7-Oct-13	2599 22ND ST	ABCQ	TBAR	7-Oct-13
321	BAR3080	6/806	7-Oct-13	2599 22ND ST	ABCQ	TBAR	7-Oct-13
322	BAR3081	4/4B	7-Oct-13	2599 22ND ST	ABCQ	SOW	7-Oct-13
323	BAR3082	6/806	7-Oct-13	2599 22ND ST	ABCQ	TBAR	7-Oct-13
324	BAR3083	4/4B	7-Oct-13	2599 22ND ST	ABCQ	TBAR	7-Oct-13
325	BAR3084	6/806	7-Oct-13	2599 22ND ST	ABCQ	TBAR	7-Oct-13
326	BAR3085	4/4B	7-Oct-13	2599 22ND ST	ABCQ	TBAR	7-Oct-13
327	BAR3086	6/806	7-Oct-13	2599 22ND ST	ABCQ	TBAR	7-Oct-13
328	BAR2727	095/17A	7-Oct-13	8650 MT. ELLIOTT	ALCOA	SOW	7-Oct-13
329	BAR2728	3100/2133A	7-Oct-13	8650 MT. ELLIOTT	ALCOA	SOW	7-Oct-13
330	BAR2729	3100/2133A	7-Oct-13	8650 MT. ELLIOTT	ALCOA	SOW	7-Oct-13
331	BAR2730	095/17A	7-Oct-13	8650 MT. ELLIOTT	ALCOA	SOW	7-Oct-13
332	BAR2731	35/35A	7-Oct-13	8650 MT. ELLIOTT	ALCOA	SOW	7-Oct-13
333	BAR2732	3100/2133A	7-Oct-13	8650 MT. ELLIOTT	ALCOA	SOW	7-Oct-13
334	BAR2733	35/35A	7-Oct-13	8650 MT. ELLIOTT	ALCOA	SOW	7-Oct-13
335	BAR2734	3100/2133A	7-Oct-13	8650 MT. ELLIOTT	ALCOA	SOW	7-Oct-13
336	BAR2735	095/17A	7-Oct-13	8650 MT. ELLIOTT	ALCOA	SOW	7-Oct-13
337	BAR2736	095/17A	7-Oct-13	8650 MT. ELLIOTT	ALCOA	SOW	7-Oct-13
338	BAR2737	35/35A	7-Oct-13	8650 MT. ELLIOTT	ALCOA	SOW	7-Oct-13
339	BAR2638	9934/2144	7-Oct-13	151 LAFAYETTE	ABI	TBAR	7-Oct-13
340	BAR2639	711/2138	7-Oct-13	151 LAFAYETTE	ABI /DUBUC	TBAR	7-Oct-13
341	BAR2640	9934/2144	7-Oct-13	151 LAFAYETTE	DUBUC	TBAR	7-Oct-13
342	BAR2641	711-2138	7-Oct-13	151 LAFAYETTE	DUBUC/ALCOA	TBAR/SOW	7-Oct-13
343	BAR2642	9934-2144	7-Oct-13	151 LAFAYETTE	DUBUC/ALCOA	TBAR/SOW	7-Oct-13
344	BAR2643	711-2138	7-Oct-13	151 LAFAYETTE	ALCOA	SOW	7-Oct-13
345	BAR2644	9934-2144	7-Oct-13	151 LAFAYETTE	ALCOA/ABCQ	SOW/TBAR	7-Oct-13
346	BAR2645	711-2138	7-Oct-13	151 LAFAYETTE	ABCQ	TBAR	7-Oct-13
347	BAR2993	15097/15097a	7-Oct-13	7900 HAGGERTY	ALMA/GBAIE	SOW	7-Oct-13
348	BAR2994	401/408	7-Oct-13	7900 HAGGERTY	GRAIE/SHA	SOW	7-Oct-13
349	BAR2995	33/611A/611B	7-Oct-13	7900 HAGGERTY	SHA	SOW	7-Oct-13
350	BAR2996	093/9941A/B	7-Oct-13	7900 HAGGERTY	SHA	SOW	7-Oct-13
351	BAR2997	119/5428	7-Oct-13	7900 HAGGERTY	SHA	SOW	7-Oct-13
352	BAR2998	406/406A	7-Oct-13	7900 HAGGERTY	SHA	SOW	7-Oct-13
353	BAR2999	45/93	7-Oct-13	7900 HAGGERTY	SHA	SOW	7-Oct-13
354	BAR3000LTL	15097/15097A	7-Oct-13	7900 HAGGERTY	SHA	SOW	7-Oct-13
355	BAR2957	1025/81025	7-Oct-13	20495 PENNSYLVANIA RD	ALCOA	SOW	7-Oct-13
356	BAR2961	007/007	7-Oct-13	20495 PENNSYLVANIA RD	ALCOA	SOW	7-Oct-13
357	BAR2962	1011/1011A	7-Oct-13	20495 PENNSYLVANIA RD	ALCOA	SOW	7-Oct-13
358	BAR2963	357/357a	7-Oct-13	20495 PENNSYLVANIA RD	ALCOA	SOW	7-Oct-13
359	BAR2964	1027/80150	7-Oct-13	20495 PENNSYLVANIA RD	ALCOA	SOW	7-Oct-13
360	BAR2959	1025/81025	7-Oct-13	20495 PENNSYLVANIA RD	ALCOA	SOW	7-Oct-13

	H	I	J	K	L	M	N	O	P
316	20495 PENNSYLVANIA	61	87,853	39.849	CLASSIC	229	$200.00	$200.00	
317	20495 PENNSYLVANIA	61	87,989	39.911	CLASSIC	229	$200.00	$200.00	
318	20495 PENNSYLVANIA	62	86,694	39.324	CLASSIC	229	$200.00	$200.00	
319	20495 PENNSYLVANIA	61	87,706	39.783	CLASSIC	229	$200.00	$200.00	
320	4815 CABOT	55	87,504	39.691	CLASSIC	229	$200.00	$200.00	
321	4815 CABOT	55	87,491	39.685	CLASSIC	229	$200.00	$200.00	
322	4815 CABOT	55	87,293	39.595	CLASSIC	229	$200.00	$200.00	
323	4815 CABOT	55	87,330	39.612	CLASSIC	229	$200.00	$200.00	
324	4815 CABOT	58	87,641	39.753	CLASSIC	229	$200.00	$200.00	
325	4815 CABOT	55	87,535	39.705	CLASSIC	229	$200.00	$200.00	
326	4815 CABOT	55	87,234	39.569	CLASSIC	229	$200.00	$200.00	
327	4815 CABOT	57	87,738	39.797	CLASSIC	229	$200.00	$200.00	
328	6590 LYNCH	64	87,667	39.765	L & R	2727-03	$215.00	$215.00	
329	6590 LYNCH	63	87,848	39.847	CHIEFS	2728-03	$215.00	$215.00	
330	6590 LYNCH	64	87,708	39.784	CHIEFS	2729-03	$215.00	$215.00	
331	6590 LYNCH	64	86,650	39.304	L & R	2730-03	$215.00	$215.00	
332	6590 LYNCH	65	86,637	39.298	FCT	2731-03	$215.00	$215.00	
333	6590 LYNCH	63	87,604	39.737	CHIEFS	2732-03	$215.00	$215.00	
334	6590 LYNCH	64	86,863	39.400	FCT	2733-03	$215.00	$215.00	
335	6590 LYNCH	65	87,465	39.674	CHIEFS	2734-03	$215.00	$215.00	
336	6590 LYNCH	64	86,629	39.294	L & R	2735-03	$215.00	$215.00	
337	6590 LYNCH	63	86,615	39.288	L & R	2736-03	$215.00	$215.00	
338	6590 LYNCH	64	87,605	39.737	FCT	2737-03	$215.00	$215.00	
339	12850 E. NINE MILE	54	87,671	39.767	CHAMPION	2638-03	$235.00	$235.00	
340	12850 E. NINE MILE	59	87,936	39.887	ALGER	2639-03	$235.00	$235.00	
341	12850 E. NINE MILE	60	87,119	39.517	CHAMPION	2640-03	$235.00	$235.00	
342	12850 E. NINE MILE	61	87,786	39.819	ALGER	2641-03	$235.00	$235.00	
343	12850 E. NINE MILE	60	87,184	39.546	CHAMPION	2642-03	$235.00	$235.00	
344	12850 E. NINE MILE	62	87,842	39.845	ALGER	2643-03	$235.00	$235.00	
345	12850 E. NINE MILE	57	86,636	39.297	CHAMPION	2644-03	$235.00	$235.00	
346	12850 E. NINE MILE	55	87,433	39.659	ALGER	2645-03	$235.00	$235.00	
347	21150 TROLLEY	61	86,964	39.446	CLASSIC	229	$275.00	$275.00	
348	21150 TROLLEY	54	87,104	39.510	CLASSIC	229	$275.00	$275.00	
349	21150 TROLLEY	54	87,655	39.760	CLASSIC	229	$275.00	$275.00	
350	21150 TROLLEY	53	86,617	39.289	CLASSIC	229	$275.00	$275.00	
351	21150 TROLLEY	53	86,402	39.191	CLASSIC	229	$275.00	$275.00	
352	21150 TROLLEY	53	86,540	39.254	CLASSIC	229	$275.00	$275.00	
353	21150 TROLLEY	55	87,703	39.781	CLASSIC	229	$275.00	$275.00	
354	21150 TROLLEY	34	55,387	25.123	CLASSIC	229	$275.00	$275.00	
355	1550 SUPERIOR PKWY	66	87,601	39.735	FOUR STAR	1568547-00	$300.00	$300.00	
356	1550 SUPERIOR PKWY	66	86,959	39.444	FOUR STAR	1568548-00	$300.00	$300.00	
357	1550 SUPERIOR PKWY	65	87,561	39.717	FOUR STAR	1568549-00	$300.00	$300.00	
358	1550 SUPERIOR PKWY	60	86,984	39.455	FOUR STAR	1568550-00	$300.00	$300.00	
359	1550 SUPERIOR PKWY	59	87,241	39.572	FOUR STAR	1568551-00	$300.00	$300.00	
360	1550 SUPERIOR PKWY	64	86,682	39.318	FOUR STAR	1568552-00	$300.00	$300.00	

	A	B	C	D	E	F	G
361	BAR2960	B398/8807	7-Oct-13	20495 PENNSYLVANIA RD	ALCOA	SOW	7-Oct-13
362	BAR2958	B398/8807	7-Oct-13	20495 PENNSYLVANIA RD	ALCOA	SOW	7-Oct-13
363	BAR2548	093/9941 A/B	8-Oct-13	26090 23 MILE RD	SHA	SOW	8-Oct-13
364	BAR2549	119/5428	8-Oct-13	26090 23 MILE RD	SHA	SOW	8-Oct-13
365	BAR2550	093/9941 A/B	8-Oct-13	26090 23 MILE RD	SHA	SOW	8-Oct-13
366	BAR2551	119/5428	8-Oct-13	26090 23 MILE RD	SHA	SOW	8-Oct-13
367	BAR2552	093/9941 A/B	8-Oct-13	26090 23 MILE RD	SHA	SOW	8-Oct-13
368	BAR2553	119/5428	8-Oct-13	26090 23 MILE RD	SHA	SOW	8-Oct-13
369	BAR2554	093/9941 A/B	8-Oct-13	26090 23 MILE RD	SHA	SOW	8-Oct-13
370	BAR2555	119/5428	8-Oct-13	26090 23 MILE RD	SHA	SOW	8-Oct-13
371	BAR2887	520/2112	8-Oct-13	1725 CICOTTE	ALC/ALMA	SOW	8-Oct-13
372	BAR2888	520/2112	8-Oct-13	1725 CICOTTE	ALCOA	SOW	8-Oct-13
373	BAR2889	520/2112	8-Oct-13	1725 CICOTTE	ALCOA	SOW	8-Oct-13
374	BAR2890	520/2112	8-Oct-13	1725 CICOTTE	ALCOA	SOW	8-Oct-13
375	BAR2891	520/2112	8-Oct-13	1725 CICOTTE	ALCOA	SOW	8-Oct-13
376	BAR2892	520/2112	8-Oct-13	1725 CICOTTE	ALCOA	SOW	8-Oct-13
377	BAR3031	610	8-Oct-13	17423 WEST JEFFERSON	ORMET	SOW	8-Oct-13
378	BAR3032	0 0 80	8-Oct-13	17423 WEST JEFFERSON	ORMET/ABCQ	SOW/TBAR	8-Oct-13
379	BAR3033	0 0 80	8-Oct-13	17423 WEST JEFFERSON	ORMET/ABCQ	SOW/TBAR	8-Oct-13
380	BAR3034	611 A/B	8-Oct-13	17423 WEST JEFFERSON	ORMET	SOW	8-Oct-13
381	BAR3087	6/806	8-Oct-13	2599 22ND ST	ABCQ	TBAR	8-Oct-13
382	BAR3088	4/4B	8-Oct-13	2599 22ND ST	ABCQ	TBAR	8-Oct-13
383	BAR3089	6/806	8-Oct-13	2599 22ND ST	ABCQ	TBAR	8-Oct-13
384	BAR3090	4/4B	8-Oct-13	2599 22ND ST	ABCQ	TBAR	8-Oct-13
385	BAR3091	6/806	8-Oct-13	2599 22ND ST	ABCQ	TBAR	8-Oct-13
386	BAR3092	4/4B	8-Oct-13	2599 22ND ST	ABCQ	TBAR	8-Oct-13
387	BAR3093	6/806	8-Oct-13	2599 22ND ST	ABCQ	TBAR	8-Oct-13
388	BAR3094	4/4B	8-Oct-13	2599 22ND ST	ABCQ/ALC	TBAR/SOW	8-Oct-13
389	BAR3136LTL	611 A/B	8-Oct-13	17423 WEST JEFFERSON	ORMET	SOW	8-Oct-13
390	BAR2738	78/2147A	8-Oct-13	8650 MT. ELLIOTT	ALCOA	SOW	8-Oct-13
391	BAR2739	35/35A	8-Oct-13	8650 MT. ELLIOTT	ALCOA	SOW	8-Oct-13
392	BAR2740	095/17A	8-Oct-13	8650 MT. ELLIOTT	ALCOA	SOW	8-Oct-13
393	BAR2741	095/17A	8-Oct-13	8650 MT. ELLIOTT	ORMET/ALC	SOW	8-Oct-13
394	BAR2742	35/35A	8-Oct-13	8650 MT. ELLIOTT	ORMET	SOW	8-Oct-13
395	BAR2743	78/2147A	8-Oct-13	8650 MT. ELLIOTT	ORMET	SOW	8-Oct-13
396	BAR2744	35/35A	8-Oct-13	8650 MT. ELLIOTT	ORMET	SOW	8-Oct-13
397	BAR2745	35/35A	8-Oct-13	8650 MT. ELLIOTT	ORMET	SOW	8-Oct-13
398	BAR2746	35/35A	8-Oct-13	8650 MT. ELLIOTT	ORMET	SOW	8-Oct-13
399	BAR2747	095/17A	8-Oct-13	8650 MT. ELLIOTT	ORMET	SOW	8-Oct-13
400	BAR2748	095/17A	8-Oct-13	8650 MT. ELLIOTT	ORMET	SOW	8-Oct-13
401	BAR2749	78/2147A	8-Oct-13	8650 MT. ELLIOTT	ORMET	SOW	8-Oct-13
402	BAR3134LTL	095/17A	8-Oct-13	8650 MT. ELLIOTT	ORMET	SOW	8-Oct-13
403	BAR2759	108/2140A	8-Oct-13	1200 E. MCNICHOLS	ALCOA	SOW	8-Oct-13
404	BAR2760	108/2140A	8-Oct-13	1200 E. MCNICHOLS	ALCOA	SOW	8-Oct-13
405	BAR2761	108/2140A	8-Oct-13	1200 E. MCNICHOLS	ALCOA	SOW	8-Oct-13

	H	I	J	K	L	M	N	O	P
361	1550 SUPERIOR PKWY	61	87,489	39.684	FOUR STAR	1568553-00	$300.00	$300.00	
362	1550 SUPERIOR PKWY	65	87,655	39.760	FOUR STAR	1568554-00	$300.00	$300.00	
363	151 LAFAYETTE	53	86,577	39.271	CLASSIC	229	$200.00	$200.00	
364	151 LAFAYETTE	54	87,539	39.707	CLASSIC	229	$200.00	$200.00	
365	151 LAFAYETTE	54	87,893	39.868	CLASSIC	229	$200.00	$200.00	
366	151 LAFAYETTE	54	87,932	39.885	CLASSIC	229	$200.00	$200.00	
367	151 LAFAYETTE	53	86,487	39.230	CLASSIC	229	$200.00	$200.00	
368	151 LAFAYETTE	54	87,885	39.864	CLASSIC	229	$200.00	$200.00	
369	151 LAFAYETTE	54	87,885	39.864	CLASSIC	229	$200.00	$200.00	
370	151 LAFAYETTE	54	87,614	39.741	CLASSIC	229	$200.00	$200.00	
371	20495 PENNSYLVANIA	65	87,038	39.480	CLASSIC	229	$200.00	$200.00	
372	20495 PENNSYLVANIA	64	87,278	39.589	CLASSIC	229	$200.00	$200.00	
373	20495 PENNSYLVANIA	65	87,041	39.481	CLASSIC	229	$200.00	$200.00	
374	20495 PENNSYLVANIA	63	87,111	39.513	CLASSIC	229	$200.00	$200.00	
375	20495 PENNSYLVANIA	65	87,998	39.915	CLASSIC	229	$200.00	$200.00	
376	20495 PENNSYLVANIA	64	87,624	39.746	CLASSIC	229	$200.00	$200.00	
377	20495 PENNSYLVANIA	59	86,463	39.219	CLASSIC	229	$200.00	$200.00	
378	20495 PENNSYLVANIA	55	86,950	39.440	CLASSIC	229	$200.00	$200.00	
379	20495 PENNSYLVANIA	55	87,020	39.472	CLASSIC	229	$200.00	$200.00	
380	20495 PENNSYLVANIA	60	87,045	39.483	CLASSIC	229	$200.00	$200.00	
381	4815 CABOT	58	86,503	39.237	CLASSIC	229	$200.00	$200.00	
382	4815 CABOT	55	87,161	39.536	CLASSIC	229	$200.00	$200.00	
383	4815 CABOT	55	87,206	39.556	CLASSIC	229	$200.00	$200.00	
384	4815 CABOT	55	87,498	39.688	CLASSIC	229	$200.00	$200.00	
385	4815 CABOT	55	87,669	39.766	CLASSIC	229	$200.00	$200.00	
386	4815 CABOT	55	87,853	39.849	CLASSIC	229	$200.00	$200.00	
387	4815 CABOT	55	87,308	39.602	CLASSIC	229	$200.00	$200.00	
388	4815 CABOT	60	86,805	39.374	CLASSIC	229	$200.00	$200.00	
389	20495 PENNSYLVANIA	15	22,100	10.024	CLASSIC	229	$200.00	$200.00	
390	6590 LYNCH	66	87,466	39.674	CHAMPION	2738-03	$215.00	$215.00	
391	6590 LYNCH	65	87,855	39.850	FCT	2739-03	$215.00	$215.00	
392	6590 LYNCH	63	86,743	39.346	L & R	2740-03	$215.00	$215.00	
393	6590 LYNCH	62	86,515	39.243	L & R	2741-03	$215.00	$215.00	
394	6590 LYNCH	61	87,384	39.637	FCT	2742-03	$215.00	$215.00	
395	6590 LYNCH	62	87,528	39.702	FCT	2743-03	$215.00	$215.00	
396	6590 LYNCH	61	87,510	39.694	FCT	2744-03	$215.00	$215.00	
397	6590 LYNCH	59	86,564	39.265	FCT	2745-03	$215.00	$215.00	
398	6590 LYNCH	59	86,594	39.278	FCT	2746-03	$215.00	$215.00	
399	6590 LYNCH	59	86,814	39.378	L & R	2747-03	$215.00	$215.00	
400	6590 LYNCH	61	87,766	39.810	L & R	2748-03	$215.00	$215.00	
401	6590 LYNCH	59	87,599	39.734	FCT	2749-03	$215.00	$215.00	
402	6490 LYNCH	35	52,526	23.825	L & R	3134-03	$215.00	$215.00	
403	8650 MT. ELLIOTT	62	87,407	39.647	CHAMPION	2759-03	$225.00	$225.00	
404	8650 MT. ELLIOTT	65	87,064	39.492	CHAMPION	2760-03	$225.00	$225.00	
405	8650 MT. ELLIOTT	65	87,421	39.654	CHAMPION	2761-03	$225.00	$225.00	

	A	B	C	D	E	F	G
406	BAR2762	108/2140A	8-Oct-13	1200 E. MCNICHOLS	ALCOA	SOW	8-Oct-13
407	BAR2763	108/2140A	8-Oct-13	1200 E. MCNICHOLS	ALCOA	SOW	8-Oct-13
408	BAR2764	3100/2133A	8-Oct-13	1200 E. MCNICHOLS	ALCOA	SOW	8-Oct-13
409	BAR2827	3100/21338	8-Oct-13	4815 CABOT	ALCOA	SOW	8-Oct-13
410	BAR2829	9934/2144	8-Oct-13	4815 CABOT	ALCOA	SOW	8-Oct-13
411	BAR2646	711-2138A	8-Oct-13	151 LAFAYETTE	ABCQ/ABI	TBAR	8-Oct-13
412	BAR2647	9934-2144	8-Oct-13	151 LAFAYETTE	ABCQ/ABI	TBAR	8-Oct-13
413	BAR2648	711-2138A	8-Oct-13	151 LAFAYETTE	ALCOA ABCQ	SOW/TBAR	8-Oct-13
414	BAR2649	9934-2144	8-Oct-13	151 LAFAYETTE	ALCOA	SOW	8-Oct-13
415	BAR2650	9934-2144	8-Oct-13	151 LAFAYETTE	ALCOA	SOW	8-Oct-13
416	BAR2651	711-2138A	8-Oct-13	151 LAFAYETTE	ABC/ABI/ALC	TBAR/SOW	8-Oct-13
417	BAR2652	711-2138A	8-Oct-13	151 LAFAYETTE	ABI/DESC	TBAR	8-Oct-13
418	BAR2653	9934-2144	8-Oct-13	151 LAFAYETTE	ABC/DESC	TBAR	8-Oct-13
419	BAR2965	007/007	8-Oct-13	20495 PENNSYLVANIA RD	ALCOA	SOW	8-Oct-13
420	BAR2966	1025/81025	8-Oct-13	20495 PENNSYLVANIA RD	ALCOA	SOW	8-Oct-13
421	BAR2967	357/357A	8-Oct-13	20495 PENNSYLVANIA RD	ALCOA	SOW	8-Oct-13
422	BAR2968	1012/1012A	8-Oct-13	20495 PENNSYLVANIA RD	ALCOA	SOW	8-Oct-13
423	BAR2969	1018/1018A	8-Oct-13	20495 PENNSYLVANIA RD	ALCOA	SOW	8-Oct-13
424	BAR2970	1025/81025	8-Oct-13	20495 PENNSYLVANIA RD	ALCOA	SOW	8-Oct-13
425	BAR2972	1011/1011A	8-Oct-13	20495 PENNSYLVANIA RD	ALCOA	SOW	8-Oct-13
426	BAR2971	864/8807	8-Oct-13	20495 PENNSYLVANIA RD	ALCOA	SOW	8-Oct-13
427	BAR2828	111/2150A	8-Oct-13	4815 CABOT	ALCOA	SOW	8-Oct-13
428	BAR2556	093/9941 A/B	9-Oct-13	26090 23 MILE RD	SHA	SOW	9-Oct-13
429	BAR2557	119/5428	9-Oct-13	26090 23 MILE RD	SHA	SOW	9-Oct-13
430	BAR2558	093/9941 A/B	9-Oct-13	26090 23 MILE RD	SHA	SOW	9-Oct-13
431	BAR2559	119/5428	9-Oct-13	26090 23 MILE RD	SHA	SOW	9-Oct-13
432	BAR2560	093/9941 A/B	9-Oct-13	26090 23 MILE RD	SHA	SOW	9-Oct-13
433	BAR2561	119/5428	9-Oct-13	26090 23 MILE RD	SHA	SOW	9-Oct-13
434	BAR2562	093/9941 A/B	9-Oct-13	26090 23 MILE RD	SHA	SOW	9-Oct-13
435	BAR2563	119/5428	9-Oct-13	26090 23 MILE RD	SHA	SOW	9-Oct-13
436	BAR2893	520/2112	9-Oct-13	1725 CICOTTE	ALCOA	SOW	9-Oct-13
437	BAR2894	520/2112	9-Oct-13	1725 CICOTTE	ALCOA	SOW	9-Oct-13
438	BAR2895	520/2112	9-Oct-13	1725 CICOTTE	ALCOA	SOW	9-Oct-13
439	BAR2896	520/2112	9-Oct-13	1725 CICOTTE	ALCOA	SOW	9-Oct-13
440	BAR2897	520/2112	9-Oct-13	1725 CICOTTE	ALCOA	SOW	9-Oct-13
441	BAR2898	108/0080	9-Oct-13	1725 CICOTTE	ALCOA	SOW	9-Oct-13
442	BAR3095	4/4B	9-Oct-13	2599 22ND ST	ABCQ	TBAR	9-Oct-13
443	BAR3096	6/806	9-Oct-13	2599 22ND ST	ABCQ	TBAR	9-Oct-13
444	BAR3097	4/4B	9-Oct-13	2599 22ND ST	ABCQ	TBAR	9-Oct-13
445	BAR3098	6/806	9-Oct-13	2599 22ND ST	ABCQ	TBAR	9-Oct-13
446	BAR3099	4/4B	9-Oct-13	2599 22ND ST	ABCQ	TBAR	9-Oct-13
447	BAR3100	6/806	9-Oct-13	2599 22ND ST	ABCQ	TBAR	9-Oct-13
448	BAR3101	4/4B	9-Oct-13	2599 22ND ST	ABCQ	TBAR	9-Oct-13
449	BAR3102	6/806	9-Oct-13	2599 22ND ST	ABCQ	TBAR	9-Oct-13
450	BAR2765	108/2140A	9-Oct-13	1200 E. MCNICHOLS	ALCOA	SOW	9-Oct-13

	H	I	J	K	L	M	N	O	P
406	8650 MT. ELLIOTT	64	87,103	39.509	CHAMPION	2762-03	$225.00	$225.00	
407	8650 MT. ELLIOTT	67	87,893	39,868	CHAMPION	2763-03	$225.00	$225.00	
408	8650 MT. ELLIOTT	64	87,435	39.660	CHIEFS	2764-03	$225.00	$225.00	
409	3801 W JEFFERSON	66	86,739	39.344	CHIEFS	2827-03	$225.00	$225.00	
410	3801 W JEFFERSON	66	87,186	39.547	CHAMPION	2829-03	$225.00	$225.00	
411	12850 E. NINE MILE	55	87,859	39.852	ALGER	2646-03	$235.00	$235.00	
412	12850 E. NINE MILE	56	86,802	39.373	ALGER	2647-03	$235.00	$235.00	
413	12850 E. NINE MILE	57	87,861	39.853	ALGER	2648-03	$235.00	$235.00	
414	12850 E. NINE MILE	61	86,616	39.288	CHAMPION	2649-03	$235.00	$235.00	
415	12850 E. NINE MILE	61	86,913	39,423	CHAMPION	2650-03	$235.00	$235.00	
416	12850 E. NINE MILE	57	87,404	39.646	ALGER	2651-03	$235.00	$235.00	
417	12850 E. NINE MILE	56	87,781	39.817	ALGER	2652-03	$235.00	$235.00	
418	12850 E. NINE MILE	55	86,418	39.199	CHAMPION	2653-03	$235.00	$235.00	
419	1550 SUPERIOR PKWY	63	87,109	39.512	FOUR STAR	1568653-00	$300.00	$300.00	
420	1550 SUPERIOR PKWY	62	87,334	39.614	FOUR STAR	1568654-00	$300.00	$300.00	
421	1550 SUPERIOR PKWY	59	87,141	39.527	FOUR STAR	1568655-00	$300.00	$300.00	
422	1550 SUPERIOR PKWY	65	87,200	39.553	FOUR STAR	1568656-00	$300.00	$300.00	
423	1550 SUPERIOR PKWY	63	86,574	39.269	FOUR STAR	1568657-00	$300.00	$300.00	
424	1550 SUPERIOR PKWY	63	87,034	39.478	FOUR STAR	1568658-00	$300.00	$300.00	
425	1550 SUPERIOR PKWY	64	87,297	39.597	FOUR STAR	1568659-00	$300.00	$300.00	
426	1550 SUPERIOR PKWY	63	87,121	39.517	FOUR STAR	1568660-00	$300.00	$300.00	
427	3801 W JEFFERSON	64	87,279	39.589	ALGER	2828-03	$225.00	$225.00	
428	151 LAFAYETTE	54	87,976	39.905	CLASSIC	229	$200.00	$200.00	
429	151 LAFAYETTE	53	86,741	39.345	CLASSIC	229	$200.00	$200.00	
430	151 LAFAYETTE	54	87,745	39.801	CLASSIC	229	$200.00	$200.00	
431	151 LAFAYETTE	54	87,779	39.816	CLASSIC	229	$200.00	$200.00	
432	151 LAFAYETTE	54	87,870	39.857	CLASSIC	229	$200.00	$200.00	
433	151 LAFAYETTE	54	87,812	39.831	CLASSIC	229	$200.00	$200.00	
434	151 LAFAYETTE	54	87,775	39.814	CLASSIC	229	$200.00	$200.00	
435	151 LAFAYETTE	54	87,909	39.875	CLASSIC	229	$200.00	$200.00	
436	20495 PENNSYLVANIA	64	87,097	39.507	CLASSIC	229	$200.00	$200.00	
437	20495 PENNSYLVANIA	65	87,605	39.737	CLASSIC	229	$200.00	$200.00	
438	20495 PENNSYLVANIA	63	86,280	39.136	CLASSIC	229	$200.00	$200.00	
439	20495 PENNSYLVANIA	58	87,684	39.773	CLASSIC	229	$200.00	$200.00	
440	20495 PENNSYLVANIA	63	87,226	39.565	CLASSIC	229	$200.00	$200.00	
441	20495 PENNSYLVANIA	65	87,529	39.703	CLASSIC	229	$200.00	$200.00	
442	4815 CABOT	56	87,362	39.627	CLASSIC	229	$200.00	$200.00	
443	4815 CABOT	55	87,552	39.713	CLASSIC	229	$200.00	$200.00	
444	4815 CABOT	55	87,306	39.601	CLASSIC	229	$200.00	$200.00	
445	4815 CABOT	55	87,243	39.573	CLASSIC	229	$200.00	$200.00	
446	4815 CABOT	56	87,495	39.687	CLASSIC	229	$200.00	$200.00	
447	4815 CABOT	56	87,633	39.750	CLASSIC	229	$200.00	$200.00	
448	4815 CABOT	55	87,237	39.570	CLASSIC	229	$200.00	$200.00	
449	4815 CABOT	55	87,548	39.711	CLASSIC	229	$200.00	$200.00	
450	8650 MT. ELLIOTT	65	86,659	39.308	CHAMPION	2765-03	$225.00	$225.00	

	A	B	C	D	E	F	G
451	BAR2766	78/2147A	9-Oct-13	1200 E. MCNICHOLS	ALCOA	SOW	9-Oct-13
452	BAR2768	095/17A	9-Oct-13	1200 E. MCNICHOLS	ALCOA	SOW	9-Oct-13
453	BAR2769	108/2140A	9-Oct-13	1200 E. MCNICHOLS	ALCOA	SOW	9-Oct-13
454	BAR2770	78/2147A	9-Oct-13	1200 E. MCNICHOLS	ALCOA/O/ME	SOW	9-Oct-13
455	BAR2771	35/35A	9-Oct-13	1200 E. MCNICHOLS	ORMET	SOW	9-Oct-13
456	BAR2772	095/17A	9-Oct-13	1200 E. MCNICHOLS	ORMET	SOW	9-Oct-13
457	BAR2773	108/2140A	9-Oct-13	1200 E. MCNICHOLS	ORMET	SOW	9-Oct-13
458	BAR2774	78/2147A	9-Oct-13	1200 E. MCNICHOLS	ORMET	SOW	9-Oct-13
459	BAR2775	35/35A	9-Oct-13	1200 E. MCNICHOLS	ORMET	SOW	9-Oct-13
460	BAR2776	095/17A	9-Oct-13	1200 E. MCNICHOLS	ORMET/GBAI	SOW	9-Oct-13
461	BAR2777	108/1240	9-Oct-13	1200 E. MCNICHOLS	GBAIE	SOW	9-Oct-13
462	BAR2778	095/17A	9-Oct-13	1200 E. MCNICHOLS	GBAIE	SOW	9-Oct-13
463	BAR2779	35/35A	9-Oct-13	1200 E. MCNICHOLS	GBAIE	SOW	9-Oct-13
464	BAR2830	28/2147	9-Oct-13	4815 CABOT	ALCOA	SOW	9-Oct-13
465	BAR2831	413/2141A	9-Oct-13	4815 CABOT	ALCOA	SOW	9-Oct-13
466	BAR2832	413/2141A	9-Oct-13	4815 CABOT	ALCOA	SOW	9-Oct-13
467	BAR2833	35/35A	9-Oct-13	4815 CABOT	ALCOA	SOW	9-Oct-13
468	BAR2834	3100/2133A	9-Oct-13	4815 CABOT	ALCOA	SOW	9-Oct-13
469	BAR2835	413/2141A	9-Oct-13	4815 CABOT	ALCOA/ALMA	SOW	9-Oct-13
470	BAR2836	413/2141A	9-Oct-13	4815 CABOT	ALMA	SOW	9-Oct-13
471	BAR2837	3100/2133	9-Oct-13	4815 CABOT	ALCOA/ALMA	SOW	9-Oct-13
472	BAR2838	413/2141A	9-Oct-13	4815 CABOT	ALCOA	SOW	9-Oct-13
473	BAR2654	711-2138A	9-Oct-13	151 LAFAYETTE	ABCQ	TBAR	9-Oct-13
474	BAR2655	9934-2144	9-Oct-13	151 LAFAYETTE	ABC/DESC	TBAR	9-Oct-13
475	BAR2656	711-2138A	9-Oct-13	151 LAFAYETTE	ABCQ	TBAR	9-Oct-13
476	BAR2657	9934-2144	9-Oct-13	151 LAFAYETTE	ABCQ	TBAR	9-Oct-13
477	BAR2658	711-2138A	9-Oct-13	151 LAFAYETTE	ABC/ABI/ALC	TBAR/SOW	9-Oct-13
478	BAR2659	9934-2144	9-Oct-13	151 LAFAYETTE	ABI	TBAR	9-Oct-13
479	BAR2660	711-2138A	9-Oct-13	151 LAFAYETTE	ABI/SHA	TBAR/SOW	9-Oct-13
480	BAR2661	9934-2144	9-Oct-13	151 LAFAYETTE	SHA/ALC	SOW	9-Oct-13
481	BAR2974	007/007A	9-Oct-13	20495 PENNSYLVANIA RD	ALCOA	SOW	9-Oct-13
482	BAR2976	1018/1018A	9-Oct-13	20495 PENNSYLVANIA RD	ALCOA	SOW	9-Oct-13
483	BAR2978	007/007	9-Oct-13	20495 PENNSYLVANIA RD	ALCOA	SOW	9-Oct-13
484	BAR2977	1018/1018A	9-Oct-13	20495 PENNSYLVANIA RD	ALCOA	SOW	9-Oct-13
485	BAR2980	1011/1011A	9-Oct-13	20495 PENNSYLVANIA RD	ALOUETTE	SOW	9-Oct-13
486	BAR2979	B348/8807	9-Oct-13	20495 PENNSYLVANIA RD	ALC/ALOU	SOW	9-Oct-13
487	BAR2973	913/8807	9-Oct-13	20495 PENNSYLVANIA RD	ALCOA	SOW	9-Oct-13
488	BAR2975	913/8807	9-Oct-13	20495 PENNSYLVANIA RD	ALCOA	SOW	9-Oct-13
489	BAR2767	35/35A	9-Oct-13	1200 E. MCNICHOLS	ALCOA	SOW	9-Oct-13
490	BAR2564	119/5428	10-Oct-13	26090 23 MILE RD	SHA	SOW	10-Oct-13
491	BAR2565	119/5428	10-Oct-13	26090 23 MILE RD	SHA	SOW	10-Oct-13
492	BAR2566	093/9941 A/B	10-Oct-13	26090 23 MILE RD	SHA	SOW	10-Oct-13
493	BAR2567	119/5428	10-Oct-13	26090 23 MILE RD	SHA	SOW	10-Oct-13
494	BAR2568	093/9941 A/B	10-Oct-13	26090 23 MILE RD	SHA	SOW	10-Oct-13
495	BAR2569	119/5428	10-Oct-13	26090 23 MILE RD	SHA	SOW	10-Oct-13

	H	I	J	K	L	M	N	O	P
451	8650 MT. ELLIOTT	66	87,366	39.629	FULL CIR	2767-03	$225.00	$225.00	
452	8650 MT. ELLIOTT	66	86,832	39.386	L & R	2768-03	$225.00	$225.00	
453	8650 MT. ELLIOTT	64	86,900	39.417	CHAMPION	2769-03	$225.00	$225.00	
454	8650 MT. ELLIOTT	64	87,208	39.557	FULL CIR	2770-03	$225.00	$225.00	
455	8650 MT. ELLIOTT	62	87,505	39.692	FULL CIR	2771-03	$225.00	$225.00	
456	8650 MT. ELLIOTT	62	87,630	39.748	L & R	2772-03	$225.00	$225.00	
457	8650 MT. ELLIOTT	62	86,824	39.383	CHAMPION	2773-03	$225.00	$225.00	
458	8650 MT. ELLIOTT	63	87,967	39.901	FULL CIR	2774-03	$225.00	$225.00	
459	8650 MT. ELLIOTT	63	88,360	40.079	FULL CIR	2775-03	$225.00	$225.00	
460	8650 MT. ELLIOTT	60	86,587	39.275	L & R	2776-03	$225.00	$225.00	
461	8650 MT. ELLIOTT	60	86,678	39.317	CHAMPION	2777-03	$225.00	$225.00	
462	8650 MT. ELLIOTT	59	86,906	39.420	L & R	2778-03	$225.00	$225.00	
463	8650 MT. ELLIOTT	61	87,243	39.573	FULL CIR	2779-03	$225.00	$225.00	
464	3801 W JEFFERSON	64	86,846	39.393	FULL CIR	2830-03	$225.00	$225.00	
465	3801 W JEFFERSON	64	87,415	39.651	CHAMPION	2831-03	$225.00	$225.00	
466	3801 W JEFFERSON	63	87,430	39.658	CHAMPION	2832-03	$225.00	$225.00	
467	3801 W JEFFERSON	65	87,913	39.877	FULL CIR	2833-03	$225.00	$225.00	
468	3801 W JEFFERSON	64	87,388	39.639	CHIEFS	2834-03	$225.00	$225.00	
469	3801 W JEFFERSON	64	87,154	39.532	CHAMPION	2835-03	$225.00	$225.00	
470	3801 W JEFFERSON	60	86,857	39.398	CHAMPION	2836-03	$225.00	$225.00	
471	3801 W JEFFERSON	65	87,701	39.781	CHIEFS	2837-03	$225.00	$225.00	
472	3801 W JEFFERSON	64	87,017	39.470	CHAMPION	2838-03	$225.00	$225.00	
473	12850 E. NINE MILE	55	87,159	39.535	ALGER	2654-03	$235.00	$235.00	
474	12850 E. NINE MILE	57	87,271	39.586	CHAMPION	2655-03	$235.00	$235.00	
475	12850 E. NINE MILE	55	87,029	39.476	ALGER	2656-03	$235.00	$235.00	
476	12850 E. NINE MILE	55	87,091	39.504	CHAMPION	2657-03	$235.00	$235.00	
477	12850 E. NINE MILE	59	87,157	39.534	ALGER	2658-03	$235.00	$235.00	
478	12850 E. NINE MILE	54	87,839	39.843	CHAMPION	2659-03	$235.00	$235.00	
479	12850 E. NINE MILE	54	87,755	39.805	ALGER	2660-03	$235.00	$235.00	
480	12850 E. NINE MILE	57	87,294	39.596	CHAMPION	2661-03	$235.00	$235.00	
481	1550 SUPERIOR PKWY	64	87,160	39.535	FOUR STAR	1568832-00	$300.00	$300.00	
482	1550 SUPERIOR PKWY	65	87,759	39.807	FOUR STAR	1568833-00	$300.00	$300.00	
483	1550 SUPERIOR PKWY	65	87,301	39.599	FOUR STAR	1568834-00	$300.00	$300.00	
484	1550 SUPERIOR PKWY	65	87,775	39.814	FOUR STAR	1568835-00	$300.00	$300.00	
485	1550 SUPERIOR PKWY	54	87,404	39.646	FOUR STAR	1568836-00	$300.00	$300.00	
486	1550 SUPERIOR PKWY	63	86,739	39.344	FOUR STAR	1568837-00	$300.00	$300.00	
487	1550 SUPERIOR PKWY	66	87,331	39.613	FOUR STAR	1568838-00	$300.00	$300.00	
488	1550 SUPERIOR PKWY	64	86,758	39.353	FOUR STAR	1568839-00	$300.00	$300.00	
489	8650 MT. ELLIOTT	64	87,173	39.541	FULL CIR				
490	151 LAFAYETTE	54	87,689	39.775	CLASSIC	229	$200.00	$200.00	
491	151 LAFAYETTE	54	87,943	39.890	CLASSIC	229	$200.00	$200.00	
492	151 LAFAYETTE	54	87,927	39.883	CLASSIC	229	$200.00	$200.00	
493	151 LAFAYETTE	54	87,696	39.778	CLASSIC	229	$200.00	$200.00	
494	151 LAFAYETTE	53	86,285	39.138	CLASSIC	229	$200.00	$200.00	
495	151 LAFAYETTE	53	86,376	39.180	CLASSIC	229	$200.00	$200.00	

	A	B	C	D	E	F	G
496	BAR2570	093/9941	10-Oct-13	26090 23 MILE RD	SHA	SOW	10-Oct-13
497	BAR2571	093/9941 A/B	10-Oct-13	26090 23 MILE RD	ABCQ/SHA	SOW/TBAR	10-Oct-13
498	BAR2899	520/2112	10-Oct-13	1725 CICOTTE	ALCOA	SOW	10-Oct-13
499	BAR2900	520/2112	10-Oct-13	1725 CICOTTE	ALCOA	SOW	10-Oct-13
500	BAR2901	520/2112	10-Oct-13	1725 CICOTTE	ALC/ORMET	SOW	10-Oct-13
501	BAR2902	520/2112	10-Oct-13	1725 CICOTTE	ORMET	SOW	10-Oct-13
502	BAR3103	4/4B	10-Oct-13	2599 22ND ST	ABCQ	TBAR	10-Oct-13
503	BAR3104	6/806	10-Oct-13	2599 22ND ST	ABCQ	TBAR	10-Oct-13
504	BAR3105	4/4B	10-Oct-13	2599 22ND ST	ABCQ	TBAR	10-Oct-13
505	BAR3106	6/806	10-Oct-13	2599 22ND ST	ABCQ	TBAR	10-Oct-13
506	BAR3107	4/4B	10-Oct-13	2599 22ND ST	ABCQ	TBAR	10-Oct-13
507	BAR3108	6/806	10-Oct-13	2599 22ND ST	ABCQ	TBAR	10-Oct-13
508	BAR3109	4/4B	10-Oct-13	2599 22ND ST	ABCQ	TBAR	10-Oct-13
509	BAR3110	6/806	10-Oct-13	2599 22ND ST	ABCQ	TBAR	10-Oct-13
510	BAR3140LTL	820/2112	10-Oct-13	CICOTTE	ORMET	SOW	10-Oct-13
511	BAR2780	35/35A	10-Oct-13	1200 E. MCNICHOLS	GBAIE	SOW	10-Oct-13
512	BAR2781	78/1247A	10-Oct-13	1200 E. MCNICHOLS	GBAIE	SOW	10-Oct-13
513	BAR2785	78/1247A	10-Oct-13	1200 E. MCNICHOLS	GBAIE	SOW	10-Oct-13
514	BAR2782	095/17A	10-Oct-13	1200 E. MCNICHOLS	GBAIE	SOW	10-Oct-13
515	BAR2783	35/35A	10-Oct-13	1200 E. MCNICHOLS	GBAIE	SOW	10-Oct-13
516	BAR2784	3100/2133	10-Oct-13	1200 E. MCNICHOLS	GBAIE	SOW	10-Oct-13
517	BAR2786	095/17A	10-Oct-13	1200 E. MCNICHOLS	GBAIE	SOW	10-Oct-13
518	BAR2787	35/35A	10-Oct-13	1200 E. MCNICHOLS	GBAIE	SOW	10-Oct-13
519	BAR2788	3100/2133A	10-Oct-13	1200 E. MCNICHOLS	GBAIE	SOW	10-Oct-13
520	BAR2789	78/1247	10-Oct-13	1200 E. MCNICHOLS	GBAIE	SOW	10-Oct-13
521	BAR2790	35/35A	10-Oct-13	1200 E. MCNICHOLS	ALMA	SOW	10-Oct-13
522	BAR2791	3100/2133A	10-Oct-13	1200 E. MCNICHOLS	ALMA	SOW	10-Oct-13
523	BAR2792	78/1247A	10-Oct-13	1200 E. MCNICHOLS	ALMA	SOW	10-Oct-13
524	BAR2793	35/35A	10-Oct-13	1200 E. MCNICHOLS	ALMA	SOW	10-Oct-13
525	BAR2794	78/1247A	10-Oct-13	1200 E. MCNICHOLS	ALMA	SOW	10-Oct-13
526	BAR2839	095/17A	10-Oct-13	4815 CABOT	ALCOA	SOW	10-Oct-13
527	BAR2840	711/2138	10-Oct-13	4815 CABOT	ALCOA	SOW	10-Oct-13
528	BAR2841	3100/2133A	10-Oct-13	4815 CABOT	ALCOA	SOW	10-Oct-13
529	BAR2842	413/2141A	10-Oct-13	4815 CABOT	ALCOA	SOW	10-Oct-13
530	BAR2843	413/2141A	10-Oct-13	4815 CABOT	ALCOA	SOW	10-Oct-13
531	BAR2844	413/2141A	10-Oct-13	4815 CABOT	ALCOA	SOW	10-Oct-13
532	BAR2845	095/17A	10-Oct-13	4815 CABOT	SHA/ALC	SOW	10-Oct-13
533	BAR2846	413/2141A	10-Oct-13	4815 CABOT	SHA	SOW	10-Oct-13
534	BAR2847	413/2141A	10-Oct-13	4815 CABOT	SHA/ALM/OR	SOW	10-Oct-13
535	BAR2848	095/17A	10-Oct-13	4815 CABOT	ALMA	SOW	10-Oct-13
536	BAR2849	095/17A	10-Oct-13	4815 CABOT	ALO/ALMA	SOW/ING	10-Oct-13
537	BAR2662	711-2138A	10-Oct-13	151 LAFAYETTE	ALC/ABCQ	SOW/TBAR	10-Oct-13
538	BAR2663	9934-2144	10-Oct-13	151 LAFAYETTE	ABC/DUBUC	TBAR	10-Oct-13
539	BAR2664	711-2138A	10-Oct-13	151 LAFAYETTE	SHA	SOW	10-Oct-13
540	BAR2665	9934/2144	10-Oct-13	151 LAFAYETTE	SHA	SOW	10-Oct-13

	H	I	J	K	L	M	N	O	P
496	151 LAFAYETTE	53	86,540	39.254	CLASSIC	229	$200.00	$200.00	
497	151 LAFAYETTE	54	86,571	39.268	CLASSIC	229	$200.00	$200.00	
498	20495 PENNSYLVANIA	64	87,633	39.750	CLASSIC	229	$200.00	$200.00	
499	20495 PENNSYLVANIA	64	87,135	39.524	CLASSIC	229	$200.00	$200.00	
500	20495 PENNSYLVANIA	63	86,801	39.372	CLASSIC	229	$200.00	$200.00	
501	20495 PENNSYLVANIA	61	86,807	39.375	CLASSIC	229	$200.00	$200.00	
502	4815 CABOT	55	87,453	39.668	CLASSIC	229	$200.00	$200.00	
503	4815 CABOT	55	87,383	39.636	CLASSIC	229	$200.00	$200.00	
504	4815 CABOT	55	87,152	39.532	CLASSIC	229	$200.00	$200.00	
505	4815 CABOT	56	87,930	39.884	CLASSIC	229	$200.00	$200.00	
506	4815 CABOT	57	86,644	39.301	CLASSIC	229	$200.00	$200.00	
507	4815 CABOT	55	87,414	39.650	CLASSIC	229	$200.00	$200.00	
508	4815 CABOT	55	86,842	39.391	CLASSIC	229	$200.00	$200.00	
509	4815 CABOT	62	87,448	39.666	CLASSIC	229	$200.00	$200.00	
510	20495 PENNSYLVANIA	53	77,296	35.061	CLASSIC	229	$200.00	$200.00	
511	8650 MT. ELLIOTT	54	87,817	39.833	FULL CIR	2780-03	$225.00	$225.00	
512	8650 MT. ELLIOTT	62	87,403	39.645	FULL CIR	2781-03	$225.00	$225.00	
513	8650 MT. ELLIOTT	62	87,819	39.834	FULL CIR	2782-03	$225.00	$225.00	
514	8650 MT. ELLIOTT	63	87,179	39.544	L & R	2782-03	$225.00	$225.00	
515	8650 MT. ELLIOTT	61	86,852	39.395	FULL CIR	2783-03	$225.00	$225.00	
516	8650 MT. ELLIOTT	61	86,827	39.384	CHIEFS	2784-03	$225.00	$225.00	
517	8650 MT. ELLIOTT	61	87,759	39.807	L & R	2786-03	$225.00	$225.00	
518	8650 MT. ELLIOTT	62	87,332	39.613	FULL CIR	2787-03	$225.00	$225.00	
519	8650 MT. ELLIOTT	62	86,853	39.396	CHIEFS	2788-03	$225.00	$225.00	
520	8650 MT. ELLIOTT	62	87,213	39.569	FULL CIR	2789-03	$225.00	$225.00	
521	8650 MT. ELLIOTT	65	86,946	39.438	FULL CIR	2790-03	$225.00	$225.00	
522	8650 MT. ELLIOTT	65	86,767	39.357	CHIEFS	2791-03	$225.00	$225.00	
523	8650 MT. ELLIOTT	68	87,921	39.880	FULL CIR	2792-03	$225.00	$225.00	
524	8650 MT. ELLIOTT	66	86,957	39.443	FULL CIR	2793-03	$225.00	$225.00	
525	8650 MT. ELLIOTT	64	87,170	39.540	FULL CIR	2794-03	$225.00	$225.00	
526	3801 W JEFFERSON	65	87,258	39.580	L & R	2839-03	$225.00	$225.00	
527	3801 W JEFFERSON	63	87,137	39.525	ALGER	2840-03	$225.00	$225.00	
528	3801 W JEFFERSON	66	87,730	39.794	CHIEFS	2841-03	$225.00	$225.00	
529	3801 W JEFFERSON	64	87,647	39.756	CHAMPION	2842-03	$225.00	$225.00	
530	3801 W JEFFERSON	63	86,895	39.415	CHAMPION	2843-03	$225.00	$225.00	
531	3801 W JEFFERSON	65	87,979	39.907	CHAMPION	2844-03	$225.00	$225.00	
532	3801 W JEFFERSON	58	87,755	39.805	L & R	2845-03	$225.00	$225.00	
533	3801 W JEFFERSON	54	87,982	39.908	CHAMPION	2846-03	$225.00	$225.00	
534	3801 W JEFFERSON	51	87,415	39.651	CHAMPION	2847-03	$225.00	$225.00	
535	3801 W JEFFERSON	62	87,096	39.506	L & R	2848-03	$225.00	$225.00	
536	3801 W JEFFERSON	39	87,994	39.913	L & R	2849-03	$225.00	$225.00	
537	12850 E. NINE MILE	60	87,751	39.803	ALGER	2662-03	$235.00	$235.00	
538	12850 E. NINE MILE	58	86,829	39.385	CHAMPION	2663-03	$235.00	$235.00	
539	12850 E. NINE MILE	54	87,678	39.770	ALGER	2664-03	$235.00	$235.00	
540	12850 E. NINE MILE	54	87,748	39.802	CHAMPION	2665-03	$235.00	$235.00	

	A	B	C	D	E	F	G
541	BAR2666	711-2138A	10-Oct-13	151 LAFAYETTE	SHA/ABCQ	SOW/TBAR	10-Oct-13
542	BAR2667	9934/2144	10-Oct-13	151 LAFAYETTE	ABCQ	TBAR	10-Oct-13
543	BAR2668	711-2138	10-Oct-13	151 LAFAYETTE	ABI/ABCQ	TBAR	10-Oct-13
544	BAR2669	9934/2144	10-Oct-13	151 LAFAYETTE	ABI	TBAR	10-Oct-13
545	BAR2981	357/8014	10-Oct-13	20495 PENNSYLVANIA RD	ALOUETTE	SOW	10-Oct-13
546	BAR2983	007/007A	10-Oct-13	20495 PENNSYLVANIA RD	ALOUETTE	SOW	10-Oct-13
547	BAR2984	0 0 7	10-Oct-13	20495 PENNSYLVANIA RD	ALOUETTE	SOW	10-Oct-13
548	BAR2985	1012/1012A	10-Oct-13	20495 PENNSYLVANIA RD	ALOUETTE	SOW	10-Oct-13
549	BAR2986	0 0 7	10-Oct-13	20495 PENNSYLVANIA RD	ALOUETTE	SOW	10-Oct-13
550	BAR2987	827/LP106	10-Oct-13	20495 PENNSYLVANIA RD	ALOUETTE	SOW/ING	10-Oct-13
551	BAR2982	913/8807	10-Oct-13	20495 PENNSYLVANIA RD	ALOUETTE	SOW	10-Oct-13
552	BAR2988	819/8807	10-Oct-13	20495 PENNSYLVANIA RD	ALOUETTE	ING	10-Oct-13
553	BAR2572	119/5428	11-Oct-13	26090 23 MILE RD	ABCQ	TBAR	11-Oct-13
554	BAR2573	093/9941 A/B	11-Oct-13	26090 23 MILE RD	ABCQ	TBAR	11-Oct-13
555	BAR2574	119/5428	11-Oct-13	26090 23 MILE RD	ABCQ	TBAR	11-Oct-13
556	BAR2575	093/9941 A/B	11-Oct-13	26090 23 MILE RD	ABCQ	TBAR	11-Oct-13
557	BAR2576	119/5428	11-Oct-13	26090 23 MILE RD	ABCQ	TBAR	11-Oct-13
558	BAR2577	093/9941 A/B	11-Oct-13	26090 23 MILE RD	ABCQ/ABI	TBAR	11-Oct-13
559	BAR2578	119/5428	11-Oct-13	26090 23 MILE RD	ABI	TBAR	11-Oct-13
560	BAR2579	093/9941 A/B	11-Oct-13	26090 23 MILE RD	ABI	TBAR	11-Oct-13
561	BAR2750	520	11-Oct-13	3801 W. JEFFERSON	ABI	TBAR	11-Oct-13
562	BAR2751	520	11-Oct-13	3801 W. JEFFERSON	ABI	TBAR	11-Oct-13
563	BAR2752	520	11-Oct-13	3801 W. JEFFERSON	ABI	TBAR	11-Oct-13
564	BAR2753LTL	520	11-Oct-13	3801 W. JEFFERSON	ABI	TBAR	11-Oct-13
565	BAR2903	247-804	11-Oct-13	160 VISGER	ABI	TBAR	11-Oct-13
566	BAR2904LTL	247-804	11-Oct-13	160 VISGER	ABI	TBAR	11-Oct-13
567	BAR3111	6/806	11-Oct-13	2599 22ND ST	ALCOA/ABCQ	TBAR/SOW	11-Oct-13
568	BAR3112	4/4B	11-Oct-13	2599 22ND ST	ABCQ	TBAR	11-Oct-13
569	BAR3113	108/0080	11-Oct-13	2599 22ND ST	ABCQ	TBAR	11-Oct-13
570	BAR3114	4/4B	11-Oct-13	2599 22ND ST	ABCQ	TBAR	11-Oct-13
571	BAR3115	6/806	11-Oct-13	2599 22ND ST	ABCQ	TBAR	11-Oct-13
572	BAR3116	108/0080	11-Oct-13	2599 22ND ST	ABCQ	TBAR	11-Oct-13
573	BAR3117	4/4B	11-Oct-13	2599 22ND ST	ABCQ	TBAR	11-Oct-13
574	BAR3118	6/806	11-Oct-13	2599 22ND ST	ABCQ	TBAR	11-Oct-13
575	BAR3119	108/0080	11-Oct-13	2599 22ND ST	ABCQ	TBAR	11-Oct-13
576	BAR3120	4/4B	11-Oct-13	2599 22ND ST	ABCQ	TBAR	11-Oct-13
577	BAR3121		11-Oct-13	2599 22ND ST	ABCQ	TBAR	11-Oct-13
578	BAR3135LTL	108/0080	11-Oct-13	2599 22ND ST	ABCQ	TBAR	11-Oct-13
579	BAR2795	413/2141A	11-Oct-13	1200 E. MCNICHOLS	ALMA	SOW	11-Oct-13
580	BAR2796	78/2147A	11-Oct-13	1200 E. MCNICHOLS	ALMA	SOW	11-Oct-13
581	BAR2797	35/35A	11-Oct-13	1200 E. MCNICHOLS	ALMA/SHA	SOW	11-Oct-13
582	BAR2798	095/17A	11-Oct-13	1200 E. MCNICHOLS	SHA	SOW	11-Oct-13
583	BAR2799	413/2141A	11-Oct-13	1200 E. MCNICHOLS	SHA	SOW	11-Oct-13
584	BAR2800	78/2147A	11-Oct-13	1200 E. MCNICHOLS	SHA	SOW	11-Oct-13
585	BAR2801	095/17A	11-Oct-13	1200 E. MCNICHOLS	SHA	SOW	11-Oct-13

	H	I	J	K	L	M	N	O	P
541	12850 E. NINE MILE	54	87,056	39.488	ALGER	2666-03	$235.00	$235.00	
542	12850 E. NINE MILE	55	87,000	39.463	CHAMPION	2667-03	$235.00	$235.00	
543	12850 E. NINE MILE	54	86,824	39.383	ALGER	2668-03	$235.00	$235.00	
544	12850 E. NINE MILE	54	87,700	39.780	CHAMPION	2669-03	$235.00	$235.00	
545	1550 SUPERIOR PKWY	55	86,702	39.327	FOUR STAR	1569046-00	$300.00	$300.00	
546	1550 SUPERIOR PKWY	55	87,316	39.606	FOUR STAR	1569047-00	$300.00	$300.00	
547	1550 SUPERIOR PKWY	55	86,667	39.402	FOUR STAR	1569048-00	$300.00	$300.00	
548	1550 SUPERIOR PKWY	55	86,971	39.449	FOUR STAR	1569049-00	$300.00	$300.00	
549	1550 SUPERIOR PKWY	55	86,625	39.292	FOUR STAR	1569050-00	$300.00	$300.00	
550	1550 SUPERIOR PKWY	48	86,230	39.113	FOUR STAR	1569051-00	$300.00	$300.00	
551	1550 SUPERIOR PKWY	55	87,305	39.601	FOUR STAR	1569052-00	$300.00	$300.00	
552	1550 SUPERIOR PKWY	38	87,392	39.640	FOUR STAR	1569053-02	$300.00	$300.00	
553	151 LAFAYETTE	55	87,243	39.573	CLASSIC	229	$200.00	$200.00	
554	151 LAFAYETTE	55	86,898	39.416	CLASSIC	229	$200.00	$200.00	
555	151 LAFAYETTE	55	87,052	39.486	CLASSIC	229	$200.00	$200.00	
556	151 LAFAYETTE	55	87,152	39.532	CLASSIC	229	$200.00	$200.00	
557	151 LAFAYETTE	55	87,145	39.528	CLASSIC	229	$200.00	$200.00	
558	151 LAFAYETTE	54	86,970	39.449	CLASSIC	229	$200.00	$200.00	
559	151 LAFAYETTE	54	87,706	39.783	CLASSIC	229	$200.00	$200.00	
560	151 LAFAYETTE	54	87,791	39.821	CLASSIC	229	$200.00	$200.00	
561	12850 E. NINE MILE	51	87,153	39.532	CLASSIC	229	$200.00	$200.00	
562	12850 E. NINE MILE	60	87,310	39.603	CLASSIC	229	$200.00	$200.00	
563	12850 E. NINE MILE	60	87,217	39.561	CLASSIC	229	$200.00	$200.00	
564	12850 E. NINE MILE	46	69,804	31.663	CLASSIC	229	$200.00	$200.00	
565	308 ANTOINE N	54	87,768	39.811	CLASSIC	229	$200.00	$200.00	
566	308 ANTOINE N	14	22,765	10.326	CLASSIC	229	$200.00	$200.00	
567	4815 CABOT	58	87,892	39.867	CLASSIC	229	$200.00	$200.00	
568	4815 CABOT	55	87,475	39.678	CLASSIC	229	$200.00	$200.00	
569	4815 CABOT	55	87,417	39.652	CLASSIC	229	$200.00	$200.00	
570	4815 CABOT	55	87,311	39.604	CLASSIC	229	$200.00	$200.00	
571	4815 CABOT	55	87,133	39.523	CLASSIC	229	$200.00	$200.00	
572	4815 CABOT	55	87,141	39.527	CLASSIC	229	$200.00	$200.00	
573	4815 CABOT	55	87,390	39.639	CLASSIC	229	$200.00	$200.00	
574	4815 CABOT	55	87,412	39.649	CLASSIC	229	$200.00	$200.00	
575	4815 CABOT	55	87,330	39.612	CLASSIC	229	$200.00	$200.00	
576	4815 CABOT	55	87,117	39.516	CLASSIC	229	$200.00	$200.00	
577	4815 CABOT	55	87,490	39.685	CLASSIC	229	$200.00	$200.00	
578	4815 CABOT	42	66,716	30.262	CLASSIC	229	$200.00	$200.00	
579	8650 MT. ELLIOTT	64	87,217	39.561	CHAMPION	2795-03	$225.00	$225.00	
580	8650 MT. ELLIOTT	66	87,502	39.690	FCT	2796-03	$225.00	$225.00	
581	8650 MT. ELLIOTT	63	86,719	39.335	FULL CIR	2797-03	$225.00	$225.00	
582	8650 MT. ELLIOTT	53	86,545	39.256	L & R	2798-03	$225.00	$225.00	
583	8650 MT. ELLIOTT	53	86,465	39.220	CHAMPION	2799-03	$225.00	$225.00	
584	8650 MT. ELLIOTT	54	87,984	39.909	FULL CIR	2800-03	$225.00	$225.00	
585	8650 MT. ELLIOTT	53	86,423	39.201	L & R	2801-03	$225.00	$225.00	

	A	B	C	D	E	F	G
586	BAR2802	35/35A	11-Oct-13	1200 E. MCNICHOLS	SHA	SOW	11-Oct-13
587	BAR2803	413/2141 A	11-Oct-13	1200 E. MCNICHOLS	SHA	SOW	11-Oct-13
588	BAR2804	78/2147 A	11-Oct-13	1200 E. MCNICHOLS	SHA	SOW	11-Oct-13
589	BAR2805	413/2141 A	11-Oct-13	1200 E. MCNICHOLS	SHA	SOW	11-Oct-13
590	BAR2806	111/2150 A	11-Oct-13	1200 E. MCNICHOLS	SHA/ALO	SOW/ING	11-Oct-13
591	BAR2807	108/2140 A	11-Oct-13	1200 E. MCNICHOLS	ALOUETTE	ING	11-Oct-13
592	BAR2808	35/35A	11-Oct-13	1200 E. MCNICHOLS	ALO/ABCQ	TBAR/ING	11-Oct-13
593	BAR2809	413/2141A	11-Oct-13	1200 E. MCNICHOLS	ABCQ	TBAR	11-Oct-13
594	BAR2850	095/17A	11-Oct-13	4815 CABOT	ALOUETTE	ING	11-Oct-13
595	BAR2851	3100/2133	11-Oct-13	4815 CABOT	ALO/SOW	SOW/ING	11-Oct-13
596	BAR2852	3100/2133	11-Oct-13	4815 CABOT	ALMA	SOW	11-Oct-13
597	BAR2853	3100/2133	11-Oct-13	4815 CABOT	ALMA/ALO	SOW/ING	11-Oct-13
598	BAR2854	095/17A	11-Oct-13	4815 CABOT	ALOUETTE	ING	11-Oct-13
599	BAR2855	3100/2133	11-Oct-13	4815 CABOT	ALOUETTE	ING	11-Oct-13
600	BAR3131 LTL	3100/2133	11-Oct-13	4815 CABOT	ALOUETTE	ING	11-Oct-13
601	BAR3141LTL	095/17A	11-Oct-13	2599 22ND ST	ABCQ	TBAR	11-Oct-13
602	BAR2670	711-2138A	11-Oct-13	151 LAFAYETTE	ABI	TBAR	11-Oct-13
603	BAR2671	9934-2144	11-Oct-13	151 LAFAYETTE	ABI	TBAR	11-Oct-13
604	BAR2672	711-2138A	11-Oct-13	151 LAFAYETTE	ABI/SHA	TBAR/SOW	11-Oct-13
605	BAR2673	9934-2144	11-Oct-13	151 LAFAYETTE	ABCQ/SHA	TBAR/SOW	11-Oct-13
606	BAR2674	711-2138A	11-Oct-13	151 LAFAYETTE	ABCQ	TBAR	11-Oct-13
607	BAR2675	9934-2144	11-Oct-13	151 LAFAYETTE	ABCQ	TBAR	11-Oct-13
608	BAR2676	711-2138A	11-Oct-13	151 LAFAYETTE	ABCQ/SHA	TBAR/SOW	11-Oct-13
609	BAR2677	9934-2144	11-Oct-13	151 LAFAYETTE	ABCQ/SHA	TBAR/SOW	11-Oct-13
610	BAR3139 LTL	1025/81025	11-Oct-13	20495 PENNSYLVANIA RD	ABI	TBAR	11-Oct-13
611	BAR2989	357/8014	11-Oct-13	20495 PENNSYLVANIA RD	ALOUETTE	ING	11-Oct-13
612	BAR2990	007/007A	11-Oct-13	20495 PENNSYLVANIA RD	ALOUETTE	ING	11-Oct-13
613	BAR2992	357/8014	11-Oct-13	20495 PENNSYLVANIA RD	ALMA/DESC	TBAR	11-Oct-13
614	BAR3138	007/007A	11-Oct-13	20495 PENNSYLVANIA RD	ABI/ALMA	TBAR	11-Oct-13
615	BAR2991	913/8807	11-Oct-13	20495 PENNSYLVANIA RD	ALO/DES	TBAR/ING	11-Oct-13
616	BAR2580	093/9941	15-Oct-13	26090 23 MILE RD	ABI	TBAR	15-Oct-13
617	BAR2581	119/5428	15-Oct-13	26090 23 MILE RD	ABI	TBAR	15-Oct-13
618	BAR2582	119/5428	15-Oct-13	26090 23 MILE RD	ABI	TBAR	15-Oct-13
619	BAR2583	093/9941	15-Oct-13	26090 23 MILE RD	ABI	TBAR	15-Oct-13
620	BAR2584	093/9941 A/B	15-Oct-13	26090 23 MILE RD	ABI	TBAR	15-Oct-13
621	BAR2585	119/5428	15-Oct-13	26090 23 MILE RD	ABI	TBAR	15-Oct-13
622	BAR2586	093/9941 A/B	15-Oct-13	26090 23 MILE RD	ABI	TBAR	15-Oct-13
623	BAR2587	119/5428	15-Oct-13	26090 23 MILE RD	ABI	TBAR	15-Oct-13
624	BAR3145LTL	119/5428	15-Oct-13	26090 23 MILE RD	ABI	TBAR	15-Oct-13
625	BAR3445	413	15-Oct-13	21100 TROLLEY	GBA/E/ALMA	SOW	15-Oct-13
626	BAR2678	78/2147A	15-Oct-13	151 LAFAYETTE	ABCQ	TBAR	15-Oct-13
627	BAR2679	35-35A	15-Oct-13	151 LAFAYETTE	ABI/ABCQ	TBAR	15-Oct-13
628	BAR2680	78/2147A	15-Oct-13	151 LAFAYETTE	ABI/ABCQ	TBAR	15-Oct-13
629	BAR2682	78/2147A	15-Oct-13	151 LAFAYETTE	SHA	SOW	15-Oct-13
630	BAR2683	35-35A	15-Oct-13	151 LAFAYETTE	ABCQ/SHA	SOW/TBAR	15-Oct-13

	H	I	J	K	L	M	N	O	P
586	8650 MT. ELLIOTT	54	87,996	39.914	FULL CIR	2802-13	$225.00	$225.00	
587	8650 MT. ELLIOTT	53	86,659	39.308	CHAMPION	2803-03	$225.00	$225.00	
588	8650 MT. ELLIOTT	53	86,503	39.237	CHAMPION	2804-03	$225.00	$225.00	
589	8650 MT. ELLIOTT	53	86,675	39.315	CHAMPION	2805-13	$225.00	$225.00	
590	8650 MT. ELLIOTT	46	87,478	39.679	CHAMPION	28069-03	$225.00	$225.00	
591	8650 MT. ELLIOTT	38	87,399	39.644	CHAMPION	2807-03	$225.00	$225.00	
592	8650 MT. ELLIOTT	48	87,090	39.503	CHAMPION	2808-03	$225.00	$225.00	
593	8650 MT. ELLIOTT	55	86,994	39.460	CHAMPION	2809-03	$225.00	$225.00	
594	3801 W JEFFERSON	37	86,117	39.062	L & R	2850-03	$225.00	$225.00	
595	3801 W JEFFERSON	46	87,933	39.886	CHIEFS	2851-03	$225.00	$225.00	
596	3801 W JEFFERSON	62	86,902	39.418	CHIEFS	2852-03	$225.00	$225.00	
597	3801 W JEFFERSON	51	85,865	38.948	CHIEFS	2853-03	$225.00	$225.00	
598	3801 W JEFFERSON	38	87,623	39.745	L & R	2854-03	$225.00	$225.00	
599	3801 W JEFFERSON	38	87,499	39.689	CHIEFS	2855-03	$225.00	$225.00	
600	3801 W. JEFFERSON	2	4,709	2.136	CHIEFS	3131-03	$225.00	$225.00	
601	4815 CABOT	17	26,989	12.242	L & R	3141-03	$225.00	$225.00	
602	12850 E. NINE MILE	54	87,729	39.793	ALGER	2670-03	$235.00	$235.00	
603	12850 E. NINE MILE	54	87,793	39.822	CHAMPION	2671-03	$235.00	$235.00	
604	12850 E. NINE MILE	54	87,830	39.839	ALGER	2672-03	$235.00	$235.00	
605	12850 E. NINE MILE	54	86,612	39.287	CHAMPION	2673-03	$235.00	$235.00	
606	12850 E. NINE MILE	55	87,207	39.556	ALGER	2674-03	$235.00	$235.00	
607	12850 E. NINE MILE	55	87,143	39.527	CHAMPION	2675-03	$235.00	$235.00	
608	12850 E. NINE MILE	54	87,663	39.763	ALGER	2676-03	$235.00	$235.00	
609	12850 E. NINE MILE	53	86,425	39.202	CHAMPION	2677-03	$235.00	$235.00	
610	1500 SUPERIOR PKWY	26	42,265	19.171	FOUR STAR	1569265-00	$300.00	$300.00	
611	1550 SUPERIOR PKWY	38	87,408	39.648	FOUR STAR	1569266-00	$300.00	$300.00	
612	1550 SUPERIOR PKWY	38	87,691	39.776	FOUR STAR	1569267-00	$300.00	$300.00	
613	1550 SUPERIOR PKWY	57	86,850	39.395	FOUR STAR	1569268-00	$300.00	$300.00	
614	1500 SUPERIOR PKWY	58	86,753	39.351	FOUR STAR	1569269-00	$300.00	$300.00	
615	1550 SUPERIOR PKWY	39	86,997	39.461	FOUR STAR	1569270-00	$300.00	$300.00	
616	151 LAFAYETTE	54	87,645	39.755	CLASSIC	232	$200.00	$200.00	
617	151 LAFAYETTE	54	87,781	39.817	CLASSIC	232	$200.00	$200.00	
618	151 LAFAYETTE	54	87,766	39.810	CLASSIC	232	$200.00	$200.00	
619	151 LAFAYETTE	54	87,724	39.791	CLASSIC	232	$200.00	$200.00	
620	151 LAFAYETTE	54	87,815	39.832	CLASSIC	232	$200.00	$200.00	
621	151 LAFAYETTE	54	87,733	39.795	CLASSIC	232	$200.00	$200.00	
622	151 LAFAYETTE	54	87,751	39.803	CLASSIC	232	$200.00	$200.00	
623	151 LAFAYETTE	54	87,799	39.825	CLASSIC	232	$200.00	$200.00	
624	12850 E. NINE MILE	35	56,906	25.812	CLASSIC	232	$200.00	$200.00	
625	21150 TROLLEY	60	87,594	39.732	CLASSIC	232	$200.00	$200.00	
626	12850 E. NINE MILE	55	87,074	39.496	ALGER	2678-03	$235.00	$235.00	
627	12850 E. NINE MILE	55	87,482	39.681	ALGER	2679-03	$235.00	$235.00	
628	12850 E. NINE MILE	54	86,776	39.361	ALGER	2680-03	$235.00	$235.00	
629	12850 E. NINE MILE	53	86,320	39.154	ALGER	2682-03	$235.00	$235.00	
630	12850 E. NINE MILE	55	87,544	39.709	ALGER	2683-03	$235.00	$235.00	

	A	B	C	D	E	F	G
631	BAR2681	35-35A	15-Oct-13	151 LAFAYETTE	ABCQ/SHA	SOW/TBAR	15-Oct-13
632	BAR3142	78/2147A	15-Oct-13	151 LAFAYETTE	ABCQ	TBAR	15-Oct-13
633	BAR3143	35/35A	15-Oct-13	151 LAFAYETTE	ABCQ	TBAR	15-Oct-13
634	BAR3144LTL	35-35A	15-Oct-13	151 LAFAYETTE	ABCQ	TBAR	15-Oct-13
635	BAR3146	413/413A	15-Oct-13	8650 MT. ELLIOTT	ALCOA	SOW	15-Oct-13
636	BAR3147	634/634A	15-Oct-13	8650 MT. ELLIOTT	ALCOA	SOW	15-Oct-13
637	BAR3148	413/413A	15-Oct-13	8650 MT. ELLIOTT	ALCOA	SOW	15-Oct-13
638	BAR3149	95/17A	15-Oct-13	8650 MT. ELLIOTT	ALCOA	SOW	15-Oct-13
639	BAR3150	413/413A	15-Oct-13	8650 MT. ELLIOTT	ALCOA	SOW	15-Oct-13
640	BAR3151	413/413A	15-Oct-13	8650 MT. ELLIOTT	ALCO/ORMET	SOW	15-Oct-13
641	BAR3152	95/17A	15-Oct-13	8650 MT. ELLIOTT	ORMET	SOW	15-Oct-13
642	BAR3153	95/17A	15-Oct-13	8650 MT. ELLIOTT	ORMET	SOW	15-Oct-13
643	BAR3154	30100/30100A	15-Oct-13	8650 MT. ELLIOTT	ORMET	SOW	15-Oct-13
644	BAR3155	95/17A	15-Oct-13	8650 MT. ELLIOTT	ORMET	SOW	15-Oct-13
645	BAR3156	95/17A	15-Oct-13	8650 MT. ELLIOTT	ORMET	SOW	15-Oct-13
646	BAR3157	413/413A	15-Oct-13	8650 MT. ELLIOTT	ORMET	SOW	15-Oct-13
647	BAR3225	1186-1406	15-Oct-13	151 LAFAYETTE	ABCQ/ALMA	SOW/TBAR	15-Oct-13
648	BAR3226	711-2138A	15-Oct-13	151 LAFAYETTE	ALM/ABC/SHA	SOW/TBAR	15-Oct-13
649	BAR3227	99342144	15-Oct-13	151 LAFAYETTE	ABCQ	TBAR	15-Oct-13
650	BAR3228	2133-9137A	15-Oct-13	151 LAFAYETTE	ABCQ/ABI	TBAR	15-Oct-13
651	BAR3229	1186-1406	15-Oct-13	151 LAFAYETTE	ABI	TBAR	15-Oct-13
652	BAR3230	711-2138A	15-Oct-13	151 LAFAYETTE	ABI/DESC	TBAR	15-Oct-13
653	BAR3231		15-Oct-13	151 LAFAYETTE	ABI/DESC	TBAR	15-Oct-13
654	BAR3232	2133-2137A	15-Oct-13	151 LAFAYETTE	ABI	TBAR	15-Oct-13
655	BAR3233	1186/1406	15-Oct-13	151 LAFAYETTE	ABI	TBAR	15-Oct-13
656	BAR3234	711-2138A	15-Oct-13	151 LAFAYETTE	ABI	TBAR	15-Oct-13
657	BAR3235	9934-2144	15-Oct-13	151 LAFAYETTE	ABI	TBAR	15-Oct-13
658	BAR3236	2133-2137A	15-Oct-13	151 LAFAYETTE	ABI	TBAR	15-Oct-13
659	BAR3237	711-2138A	15-Oct-13	151 LAFAYETTE	ABI	TBAR	15-Oct-13
660	BAR3238	711-2138A	15-Oct-13	151 LAFAYETTE	ABI/SHA	TBAR/SOW	15-Oct-13
661	BAR3239	9934-2144	15-Oct-13	151 LAFAYETTE	ABI/SHA	TBAR/SOW	15-Oct-13
662	BAR3240	2133-2137A	15-Oct-13	151 LAFAYETTE	ABCQ/ABI	TBAR	15-Oct-13
663	BAR3241	9934-2144	15-Oct-13	151 LAFAYETTE	ABCQ	TBAR	15-Oct-13
664	BAR3242	711-2138A	15-Oct-13	151 LAFAYETTE	ABCQ	TBAR	15-Oct-13
665	BAR3243	9934-2144	15-Oct-13	151 LAFAYETTE	ABCQ	TBAR	15-Oct-13
666	BAR3244	2133-2137A	15-Oct-13	151 LAFAYETTE	ABCQ/SEB	TBAR/SOW	15-Oct-13
667	BAR3418	3100	15-Oct-13	6490 LYNCH	ABCQ	TBAR	15-Oct-13
668	BAR3419	634	15-Oct-13	6490 LYNCH	ABCQ	TBAR	15-Oct-13
669	BAR3420	3100	15-Oct-13	6490 LYNCH	ABCQ	TBAR	15-Oct-13
670	BAR3421	634	15-Oct-13	6490 LYNCH	ABCQ	TBAR	15-Oct-13
671	BAR3422	3100	15-Oct-13	6490 LYNCH	ABCQ	TBAR	15-Oct-13
672	BAR3423LTL	634	15-Oct-13	6490 LYNCH	ABCQ	TBAR	15-Oct-13
673	BAR3446LTL		16-Oct-13	21100 TROLLEY	ABCQ/ALMA	TBAR/SOW	16-Oct-13
674	BAR3262	5428	16-Oct-13	17423 WEST JEFFERSON	ALCOA	SOW	16-Oct-13
675	BAR3263	806	16-Oct-13	17423 WEST JEFFERSON	ALCOA	SOW	16-Oct-13

	H	I	J	K	L	M	N	O	P
631	12850 E. NINE MILE	54	86,525	39.247	ALGER	2691-03	$235.00	$235.00	
632	12850 E. NINE MILE	55	87,150	39.531	ALGER	3142-03	$235.00	$235.00	
633	12850 E. NINE MILE	55	87,086	39.502	ALGER	3143-03	$235.00	$235.00	
634	12850 E. NINE MILE	48	75,978	34.463	ALGER	3144-03	$235.00	$235.00	
635	4815 CABOT	65	87,039	39.480	ALGER	3146-03	$225.00	$225.00	
636	4815 CABOT	65	87,774	39.814	ALGER	3147-03	$225.00	$225.00	
637	4815 CABOT	64	86,984	39.455	ALGER	3148-03	$225.00	$225.00	
638	4815 CABOT	63	86,994	39.460	ALGER	3149-03	$225.00	$225.00	
639	4815 CABOT	64	87,673	39.768	ALGER	3150-03	$225.00	$225.00	
640	4815 CABOT	64	86,912	39.423	ALGER	3151-03	$225.00	$225.00	
641	4815 CABOT	59	86,835	39.388	ALGER	3152-03	$225.00	$225.00	
642	4815 CABOT	60	87,220	39.562	ALGER	3153-03	$225.00	$225.00	
643	4815 CABOT	61	87,070	39.494	ALGER	3154-03	$225.00	$225.00	
644	4815 CABOT	60	87,369	39.630	ALGER	3155-03	$225.00	$225.00	
645	4815 CABOT	61	87,577	39.724	ALGER	3156-03	$225.00	$225.00	
646	4815 CABOT	59	87,634	39.750	ALGER	3157-03	$225.00	$225.00	
647	26090 23 MILE ROAD	59	86,790	39.367	ALGER	3225-03	$225.00	$225.00	
648	26090 23 MILE ROAD	57	87,263	39.582	ALGER	3226-03	$225.00	$225.00	
649	26090 23 MILE ROAD	55	87,309	39.603	ALGER	3227-03	$225.00	$225.00	
650	26090 23 MILE ROAD	55	87,814	39.832	ALGER	3228-03	$225.00	$225.00	
651	26090 23 MILE ROAD	54	87,719	39.789	ALGER	3229-03	$225.00	$225.00	
652	26090 23 MILE ROAD	55	87,304	39.600	ALGER	3230-03	$225.00	$225.00	
653	26090 23 MILE ROAD	55	86,838	39.389	ALGER	3231-03	$225.00	$225.00	
654	26090 23 MILE ROAD	54	87,817	39.833	ALGER	3232-03	$225.00	$225.00	
655	26090 23 MILE ROAD	54	87,751	39.803	ALGER	3233-03	$225.00	$225.00	
656	26090 23 MILE ROAD	54	87,840	39.844	ALGER	3234-03	$225.00	$225.00	
657	26090 23 MILE ROAD	54	87,823	39.836	ALGER	3235-03	$225.00	$225.00	
658	26090 23 MILE ROAD	54	87,806	39.828	ALGER	3236-03	$225.00	$225.00	
659	26090 23 MILE ROAD	54	87,833	39.840	ALGER	3237-03	$225.00	$225.00	
660	26090 23 MILE ROAD	54	87,991	39.912	ALGER	3238-03	$225.00	$225.00	
661	26090 23 MILE ROAD	54	87,687	39.774	ALGER	3239-03	$225.00	$225.00	
662	26090 23 MILE ROAD	55	87,701	39.781	ALGER	3240-03	$225.00	$225.00	
663	26090 23 MILE ROAD	55	87,506	39.692	ALGER	3241-03	$225.00	$225.00	
664	26090 23 MILE ROAD	55	87,473	39.677	ALGER	3243-03	$225.00	$225.00	
665	26090 23 MILE ROAD	55	87,323	39.609	ALGER	3244-03	$225.00	$225.00	
666	26090 23 MILE ROAD	57	87,624	39.746	ALGER	3245-03	$225.00	$225.00	
667	8650 MT. ELLIOTT	55	87,583	39.727	ALGER	3418-03	$215.00	$215.00	
668	8650 MT. ELLIOTT	55	86,517	39.243	ALGER	3419-03	$215.00	$215.00	
669	8650 MT. ELLIOTT	55	86,649	39.303	ALGER	3420-03	$215.00	$215.00	
670	8650 MT. ELLIOTT	55	86,462	39.219	ALGER	3421-03	$215.00	$215.00	
671	8650 MT. ELLIOTT	55	86,635	39.297	ALGER	3422-03	$215.00	$215.00	
672	8650 MT. ELLIOTT	40	62,961	28.559	ALGER	3423-03	$215.00	$215.00	
673	21150 TROLLEY	51	78,214	35.477	CLASSIC	232	$200.00	$200.00	
674	36555 ECORSE RD	66	87,435	39.660	CLASSIC	232	$275.00	$275.00	
675	36555 ECORSE RD	62	86,910	39.422	CLASSIC	232	$275.00	$275.00	

	A	B	C	D	E	F	G
676	BAR3264	0 0 80	16-Oct-13	17423 WEST JEFFERSON	ALCOA	SOW	16-Oct-13
677	BAR3265	806	16-Oct-13	17423 WEST JEFFERSON	ALCOA	SOW	16-Oct-13
678	BAR3266	5428	16-Oct-13	17423 WEST JEFFERSON	ALCOA	SOW	16-Oct-13
679	BAR3267	0 0 80	16-Oct-13	17423 WEST JEFFERSON	ALCOA	SOW	16-Oct-13
680	BAR3268	5428	16-Oct-13	17423 WEST JEFFERSON	ALCOA	SOW	16-Oct-13
681	BAR3416	194/4593	16-Oct-13	7900 HAGGERTY	ALOUETTE	ING	16-Oct-13
682	BAR3417LTL	4/4B	16-Oct-13	7900 HAGGERTY	ALOUETTE	ING	16-Oct-13
683	BAR3298	007/007	16-Oct-13	2599 22ND ST	ABC/ALC	TBAR/SOW	16-Oct-13
684	BAR3299	1011/1011A	16-Oct-13	2599 22ND ST	ABCQ	TBAR	16-Oct-13
685	BAR3301	1008/82245	16-Oct-13	2599 22ND ST	ABC/ALC	TBAR/SOW	16-Oct-13
686	BAR3303	007/007	16-Oct-13	2599 22ND ST	ALCOA	SOW	16-Oct-13
687	BAR3304	1011/1011A	16-Oct-13	2599 22ND ST	ALCOA	SOW	16-Oct-13
688	BAR3307	1008/82245	16-Oct-13	2599 22ND ST	ALCOA	SOW	16-Oct-13
689	BAR3305	13348/807	16-Oct-13	2599 22ND ST	ALCOA	SOW	16-Oct-13
690	BAR3306	8816/874	16-Oct-13	2599 22ND ST	ALCOA	SOW	16-Oct-13
691	BAR3300	3348/8807	16-Oct-13	2599 22ND ST	ABCQ	TBAR	16-Oct-13
692	BAR3302	8816/874	16-Oct-13	2599 22ND ST	ALCOA	SOW	16-Oct-13
693	BAR3158	30100/30100A	16-Oct-13	8650 MT. ELLIOTT	ORMET	SOW	16-Oct-13
694	BAR3159	095-17A	16-Oct-13	8650 MT. ELLIOTT	ORMET	SOW	16-Oct-13
695	BAR3160	634/634A	16-Oct-13	8650 MT. ELLIOTT	ORMET	SOW	16-Oct-13
696	BAR3161	30100/30100A	16-Oct-13	8650 MT. ELLIOTT	ORMET	SOW	16-Oct-13
697	BAR3162	95/17A	16-Oct-13	8650 MT. ELLIOTT	ORMET	SOW	16-Oct-13
698	BAR3163	634/634A	16-Oct-13	8650 MT. ELLIOTT	ORMET	SOW	16-Oct-13
699	BAR3164	3100/3100A	16-Oct-13	8650 MT. ELLIOTT	ORMET	SOW	16-Oct-13
700	BAR3165	095/17A	16-Oct-13	8650 MT. ELLIOTT	ORMET	SOW	16-Oct-13
701	BAR3166	111/2158	16-Oct-13	8650 MT. ELLIOTT	ORMET	SOW	16-Oct-13
702	BAR3167	2140A	16-Oct-13	8650 MT. ELLIOTT	ORMET	SOW	16-Oct-13
703	BAR3168	634/634A	16-Oct-13	8650 MT. ELLIOTT	ORMET	SOW	16-Oct-13
704	BAR3169	095/17A	16-Oct-13	8650 MT. ELLIOTT	ORMET	SOW	16-Oct-13
705	BAR3245	711-2138A	16-Oct-13	151 LAFAYETTE	ABC/SEB	TBAR/SOW	16-Oct-13
706	BAR3246	711-2138A	16-Oct-13	151 LAFAYETTE	ABCQ	TBAR	16-Oct-13
707	BAR3247	631/2141A	16-Oct-13	151 LAFAYETTE	ABCQ	TBAR	16-Oct-13
708	BAR3248	35/35A	16-Oct-13	151 LAFAYETTE	ABCQ	TBAR	16-Oct-13
709	BAR3249	35/35A	16-Oct-13	151 LAFAYETTE	ABCQ	TBAR	16-Oct-13
710	BAR3250	631-2141A	16-Oct-13	151 LAFAYETTE	ABCQ	TBAR	16-Oct-13
711	BAR3251	711-2138A	16-Oct-13	151 LAFAYETTE	ABCQ	TBAR	16-Oct-13
712	BAR3252	35-35A	16-Oct-13	151 LAFAYETTE	ABCQ	TBAR	16-Oct-13
713	BAR3253	631/2141A	16-Oct-13	151 LAFAYETTE	ABCQ	TBAR	16-Oct-13
714	BAR3254	711-2138A	16-Oct-13	151 LAFAYETTE	ABCQ/SEB	TBAR/SOW	16-Oct-13
715	BAR3255	35-35A	16-Oct-13	151 LAFAYETTE	ABCQ/SEB	TBAR/SOW	16-Oct-13
716	BAR3256	631-2141A	16-Oct-13	151 LAFAYETTE	ABCQ	TBAR	16-Oct-13
717	BAR3257	711-2138A	16-Oct-13	151 LAFAYETTE	ABC/DESC	TBAR	16-Oct-13
718	BAR3258	35/35A	16-Oct-13	151 LAFAYETTE	ABCQ	TBAR	16-Oct-13
719	BAR3259	631/2141A	16-Oct-13	151 LAFAYETTE	ABCQ	TBAR	16-Oct-13
720	BAR3260	711-2138A	16-Oct-13	151 LAFAYETTE	ABCQ	TBAR	16-Oct-13

	H	I	J	K	L	M	N	O	P
676	36555 ECORSE RD	63	86,620	39.290	CLASSIC	232	$275.00	$275.00	
677	36555 ECORSE RD	63	87,786	39.819	CLASSIC	232	$275.00	$275.00	
678	36555 ECORSE RD	64	87,178	39.543	CLASSIC	232	$275.00	$275.00	
679	36555 ECORSE RD	63	87,471	39.676	CLASSIC	232	$275.00	$275.00	
680	36555 ECORSE RD	64	87,927	39.883	CLASSIC	232	$275.00	$275.00	
681	21150 TROLLEY	38	87,422	39.654	CLASSIC	232	$275.00	$275.00	
682	21150 TROLLEY	34	78,458	35.588	CLASSIC	232	$275.00	$275.00	
683	36555 ECORSE RD	60	86,905	39.419	FOUR STAR	1569820-00	$200.00	$200.00	
684	36555 ECORSE RD	55	87,277	39.588	FOUR STAR	1569821-00	$200.00	$200.00	
685	36555 ECORSE RD	57	87,884	39.864	FOUR STAR	1569822-00	$200.00	$200.00	
686	36555 ECORSE RD	63	86,647	39.302	FOUR STAR	1569823-00	$200.00	$200.00	
687	36555 ECORSE RD	62	87,778	39.815	FOUR STAR	1569824-00	$200.00	$200.00	
688	36555 ECORSE RD	66	87,417	39.652	FOUR STAR	1569825-00	$200.00	$200.00	
689	36555 ECORSE RD	66	87,816	39.833	FOUR STAR	1569826-00	$200.00	$200.00	
690	36555 ECORSE RD	66	87,935	39.887	FOUR STAR	1569827-00	$200.00	$200.00	
691	36555 ECORSE RD	55	87,169	39.539	FOUR STAR	1569828-00	$200.00	$200.00	
692	36555 ECORSE RD	63	86,595	39.279	FOUR STAR	1569829-00	$200.00	$200.00	
693	4815 CABOT	61	87,769	39.811	ALGER	3158-03	$225.00	$225.00	
694	4815 CABOT	61	87,860	39.853	ALGER	3159-03	$225.00	$225.00	
695	4815 CABOT	61	88,992	40.366	ALGER	3161-03	$225.00	$225.00	
696	4815 CABOT	60	87,008	39.466	ALGER	3161-03	$225.00	$225.00	
697	4815 CABOT	58	87,411	39.649	ALGER	3162-03	$225.00	$225.00	
698	4815 CABOT	59	87,250	39.576	ALGER	3163-03	$225.00	$225.00	
699	4815 CABOT	59	87,836	39.842	ALGER	3164-03	$225.00	$225.00	
700	4815 CABOT	62	87,737	39.797	ALGER	3165-03	$225.00	$225.00	
701	4815 CABOT	59	87,822	39.835	ALGER	3166-03	$225.00	$225.00	
702	4815 CABOT	58	86,849	39.394	ALGER	3167-03	$225.00	$225.00	
703	4815 CABOT	61	87,142	39.527	ALGER	3168-03	$225.00	$225.00	
704	4815 CABOT	60	87,868	39.856	ALGER	3169-03	$225.00	$225.00	
705	26090 23 MILE ROAD	56	86,960	39.444	ALGER	3245-03	$225.00	$225.00	
706	26090 23 MILE ROAD	55	87,410	39.649	ALGER	3246-03	$225.00	$225.00	
707	26090 23 MILE ROAD	55	87,399	39.644	ALGER	3247-03	$225.00	$225.00	
708	26090 23 MILE ROAD	55	87,494	39.687	ALGER	3248-03	$225.00	$225.00	
709	26090 23 MILE ROAD	55	87,231	39.567	ALGER	3249-03	$225.00	$225.00	
710	26090 23 MILE ROAD	55	87,282	39.590	ALGER	3250-03	$225.00	$225.00	
711	26090 23 MILE ROAD	55	87,612	39.740	ALGER	3251-03	$225.00	$225.00	
712	26090 23 MILE ROAD	55	87,468	39.675	ALGER	3252-03	$225.00	$225.00	
713	26090 23 MILE ROAD	57	87,028	39.475	ALGER	3253-03	$225.00	$225.00	
714	26090 23 MILE ROAD	61	87,793	39.822	ALGER	3254-03	$225.00	$225.00	
715	26090 23 MILE ROAD	58	87,650	39.757	ALGER	3255-03	$225.00	$225.00	
716	26090 23 MILE ROAD	55	86,643	39.301	ALGER	3256-03	$225.00	$225.00	
717	26090 23 MILE ROAD	58	87,815	39.832	ALGER	3257-03	$225.00	$225.00	
718	26090 23 MILE ROAD	55	87,306	39.601	ALGER	3258-03	$225.00	$225.00	
719	26090 23 MILE ROAD	55	87,255	39.578	ALGER	3259-03	$225.00	$225.00	
720	26090 23 MILE ROAD	57	87,292	39.595	ALGER	3260-03	$225.00	$225.00	

	A	B	C	D	E	F	G
721	BAR3261LTL	78-2147A	16-Oct-13	151 LAFAYETTE	ABCQ	TBAR	16-Oct-13
722	BAR3334	093/9941A/B	17-Oct-13	26090 23 MILE RD	ABCQ	TBAR	17-Oct-13
723	BAR3335	4/4B	17-Oct-13	26090 23 MILE RD	ABCQ	TBAR	17-Oct-13
724	BAR3336	093/9941 A/B	17-Oct-13	26090 23 MILE RD	ABCQ	TBAR	17-Oct-13
725	BAR3337	119/5428	17-Oct-13	26090 23 MILE RD	ABCQ	TBAR	17-Oct-13
726	BAR3338	119/5428	17-Oct-13	26090 23 MILE RD	ABCQ	TBAR	17-Oct-13
727	BAR3339	4/4B	17-Oct-13	26090 23 MILE RD	ABCQ	TBAR	17-Oct-13
728	BAR3340	093/9941 A/B	17-Oct-13	26090 23 MILE RD	ABCQ	TBAR	17-Oct-13
729	BAR3341	119/5428	17-Oct-13	26090 23 MILE RD	ABCQ	TBAR	17-Oct-13
730	BAR3342	33/611 A/B	17-Oct-13	26090 23 MILE RD	ABCQ	TBAR	17-Oct-13
731	BAR3343	4/4B	17-Oct-13	26090 23 MILE RD	ABCQ	TBAR	17-Oct-13
732	BAR3344	4/4B	17-Oct-13	26090 23 MILE RD	ABCQ	TBAR	17-Oct-13
733	BAR3345	33/611 A/B	17-Oct-13	26090 23 MILE RD	ABCQ	TBAR	17-Oct-13
734	BAR3346	093/9941	17-Oct-13	26090 23 MILE RD	ABCQ	TBAR	17-Oct-13
735	BAR3347	4/4B	17-Oct-13	26090 23 MILE RD	ABCQ	TBAR	17-Oct-13
736	BAR3348	119/5428	17-Oct-13	26090 23 MILE RD	SHA	SOW	17-Oct-13
737	BAR3349	093/9941 A/B	17-Oct-13	26090 23 MILE RD	SHA	SOW	17-Oct-13
738	BAR3350	119/5428	17-Oct-13	26090 23 MILE RD	SHA	SOW	17-Oct-13
739	BAR3351	33/611 A/B	17-Oct-13	26090 23 MILE RD	SHA	SOW	17-Oct-13
740	BAR3352	093/9941 A/B	17-Oct-13	26090 23 MILE RD	SHA	SOW	17-Oct-13
741	BAR3353	33/611 A/B	17-Oct-13	26090 23 MILE RD	SHA	SOW	17-Oct-13
742	BAR3269	2112	17-Oct-13	17423 WEST JEFFERSON	ALCOA	SOW	17-Oct-13
743	BAR3270	0 0 80	17-Oct-13	17423 WEST JEFFERSON	ALCOA	SOW	17-Oct-13
744	BAR3272	2112	17-Oct-13	17423 WEST JEFFERSON	ALCOA	SOW	17-Oct-13
745	BAR3273	0 0 80	17-Oct-13	17423 WEST JEFFERSON	ALCOA	SOW	17-Oct-13
746	BAR3275	2112	17-Oct-13	17423 WEST JEFFERSON	ALCOA	SOW	17-Oct-13
747	BAR3276	0 0 80	17-Oct-13	17423 WEST JEFFERSON	ALCOA	SOW	17-Oct-13
748	BAR3309	007/007	17-Oct-13	2599 22ND ST	ALCOA	SOW	17-Oct-13
749	BAR3308	357/8014	17-Oct-13	2599 22ND ST	ALCOA	SOW	17-Oct-13
750	BAR3310	1011/1011A	17-Oct-13	2599 22ND ST	ALCOA	SOW	17-Oct-13
751	BAR3313	357/8014	17-Oct-13	2599 22ND ST	ALCOA/ABCQ	SOW/TBAR	17-Oct-13
752	BAR3314	007/007	17-Oct-13	2599 22ND ST	ABCQ	TBAR	17-Oct-13
753	BAR3316	827/8807	17-Oct-13	2599 22ND ST	ABCQ	TBAR	17-Oct-13
754	BAR3317	P108/L108	17-Oct-13	2599 22ND ST	ABCQ	TBAR	17-Oct-13
755	BAR3315	B348/8816	17-Oct-13	2599 22ND ST	ABCQ	TBAR	17-Oct-13
756	BAR3318	8832/913	17-Oct-13	2599 22ND ST	ABCQ	TBAR	17-Oct-13
757	BAR3312	827/8807	17-Oct-13	2599 22ND ST	ALCOA	SOW	17-Oct-13
758	BAR3311	P108/L108	17-Oct-13	2599 22ND ST	ALCOA	SOW	17-Oct-13
759	BAR3170	95/17A	17-Oct-13	8650 MT. ELLIOTT	ORMET	SOW	17-Oct-13
760	BAR3171	111/2150A	17-Oct-13	8650 MT. ELLIOTT	ORMET	SOW	17-Oct-13
761	BAR3172	78/214a	17-Oct-13	8650 MT. ELLIOTT	ORMET	SOW	17-Oct-13
762	BAR3173	413/413A	17-Oct-13	8650 MT. ELLIOTT	ORMET	SOW	17-Oct-13
763	BAR3174	95/17A	17-Oct-13	8650 MT. ELLIOTT	ORMET	SOW	17-Oct-13
764	BAR3175	108/2140A	17-Oct-13	8650 MT. ELLIOTT	SHA/ORMET	SOW	17-Oct-13
765	BAR3176	95/17A	17-Oct-13	8650 MT. ELLIOTT	SHA	SOW	17-Oct-13

	H	I	J	K	L	M	N	O	P
721	26090 23 MILE ROAD	9	13,308	6.036	ALGER	3261-03	$225.00	$225.00	
722	151 LAFAYETTE	59	86,799	39.371	CLASSIC	232	$200.00	$200.00	
723	151 LAFAYETTE	55	87,729	39.793	CLASSIC	232	$200.00	$200.00	
724	151 LAFAYETTE	55	87,690	39.776	CLASSIC	232	$200.00	$200.00	
725	151 LAFAYETTE	56	87,519	39.698	CLASSIC	232	$200.00	$200.00	
726	151 LAFAYETTE	57	87,791	39.821	CLASSIC	232	$200.00	$200.00	
727	151 LAFAYETTE	55	87,470	39.676	CLASSIC	232	$200.00	$200.00	
728	151 LAFAYETTE	55	87,096	39.506	CLASSIC	232	$200.00	$200.00	
729	151 LAFAYETTE	59	86,920	39.426	CLASSIC	232	$200.00	$200.00	
730	151 LAFAYETTE	56	86,826	39.384	CLASSIC	232	$200.00	$200.00	
731	151 LAFAYETTE	57	86,889	39.412	CLASSIC	232	$200.00	$200.00	
732	151 LAFAYETTE	60	87,281	39.590	CLASSIC	232	$200.00	$200.00	
733	151 LAFAYETTE	57	87,435	39.660	CLASSIC	232	$200.00	$200.00	
734	151 LAFAYETTE	55	86,488	39.230	CLASSIC	232	$200.00	$200.00	
735	151 LAFAYETTE	55	86,617	39.289	CLASSIC	232	$200.00	$200.00	
736	151 LAFAYETTE	54	87,616	39.742	CLASSIC	232	$200.00	$200.00	
737	151 LAFAYETTE	53	86,482	39.228	CLASSIC	232	$200.00	$200.00	
738	151 LAFAYETTE	54	87,697	39.779	CLASSIC	232	$200.00	$200.00	
739	151 LAFAYETTE	54	87,462	39.672	CLASSIC	232	$200.00	$200.00	
740	151 LAFAYETTE	53	86,499	39.235	CLASSIC	232	$200.00	$200.00	
741	151 LAFAYETTE	54	87,475	39.678	CLASSIC	232	$200.00	$200.00	
742	36555 ECORSE RD	65	87,564	39.718	CLASSIC	232	$275.00	$275.00	
743	36555 ECORSE RD	63	87,466	39.674	CLASSIC	232	$275.00	$275.00	
744	36555 ECORSE RD	64	87,152	39.532	CLASSIC	232	$275.00	$275.00	
745	36555 ECORSE RD	64	87,048	39.484	CLASSIC	232	$275.00	$275.00	
746	36555 ECORSE RD	65	87,419	39.653	CLASSIC	232	$275.00	$275.00	
747	36555 ECORSE RD	66	87,599	39.734	CLASSIC	232	$275.00	$275.00	
748	36555 ECORSE RD	67	87,454	39.669	FOUR STAR	1570031-00	$200.00	$200.00	
749	36555 ECORSE RD	67	87,415	39.651	FOUR STAR	1570032-00	$200.00	$200.00	
750	36555 ECORSE RD	64	87,386	39.638	FOUR STAR	1570033-00	$200.00	$200.00	
751	36555 ECORSE RD	62	87,105	39.510	FOUR STAR	1570034-00	$200.00	$200.00	
752	36555 ECORSE RD	59	86,826	39.384	FOUR STAR	1570035-00	$200.00	$200.00	
753	36555 ECORSE RD	55	86,956	39.443	FOUR STAR	1570036-00	$200.00	$200.00	
754	36555 ECORSE RD	55	87,049	39.485	FOUR STAR	1570037-00	$200.00	$200.00	
755	36555 ECORSE RD	56	87,825	39.837	FOUR STAR	1570038-00	$200.00	$200.00	
756	36555 ECORSE RD	55	87,011	39.468	FOUR STAR	1570039-00	$200.00	$200.00	
757	36555 ECORSE RD	65	87,581	39.726	FOUR STAR	1570040-00	$200.00	$200.00	
758	36555 ECORSE RD	65	87,732	39.795	FOUR STAR	1570041-00	$200.00	$200.00	
759	4815 CABOT	62	87,622	39.745	ALGER	3170-03	$225.00	$225.00	
760	4815 CABOT	59	87,683	39.772	ALGER	3171-03	$225.00	$225.00	
761	4815 CABOT	62	87,671	39.767	ALGER	3172-03	$225.00	$225.00	
762	4815 CABOT	60	87,103	39.509	ALGER	3173-03	$225.00	$225.00	
763	4815 CABOT	60	87,492	39.686	ALGER	3174-03	$225.00	$225.00	
764	4815 CABOT	54	86,886	39.411	ALGER	3175-03	$225.00	$225.00	
765	4815 CABOT	54	87,889	39.866	ALGER	3176-03	$225.00	$225.00	

	A	B	C	D	E	F	G
766	BAR3177	95/17A	17-Oct-13	8650 MT. ELLIOTT	SHA	SOW	17-Oct-13
767	BAR3178LTL	95/17A	17-Oct-13	8650 MT. ELLIOTT	SHA	SOW	17-Oct-13
768	BAR3179	631/2141A	17-Oct-13	1200 E. MCNICHOLS	SHA	SOW	17-Oct-13
769	BAR3180	711/2138	17-Oct-13	1200 E. MCNICHOLS	SHA	SOW	17-Oct-13
770	BAR3181	78/2147A	17-Oct-13	1200 E. MCNICHOLS	SHA	SOW	17-Oct-13
771	BAR3182	3100/2133A	17-Oct-13	1200 E. MCNICHOLS	SHA	SOW	17-Oct-13
772	BAR3183	631/214A	17-Oct-13	1200 E. MCNICHOLS	SHA	SOW	17-Oct-13
773	BAR3184	711/2138	17-Oct-13	1200 E. MCNICHOLS	SHA	SOW	17-Oct-13
774	BAR3185	78/2147A	17-Oct-13	1200 E. MCNICHOLS	SHA	SOW	17-Oct-13
775	BAR3186	2133A/3100	17-Oct-13	1200 E. MCNICHOLS	SHA	SOW	17-Oct-13
776	BAR3187	634/2141A	17-Oct-13	1200 E. MCNICHOLS	SHA	SOW	17-Oct-13
777	BAR3188	711/2138	17-Oct-13	1200 E. MCNICHOLS	SHA	SOW	17-Oct-13
778	BAR3189	78/2147A	17-Oct-13	1200 E. MCNICHOLS	SHA	SOW	17-Oct-13
779	BAR3190	631/2141A	17-Oct-13	1200 E. MCNICHOLS	SHA	SOW	17-Oct-13
780	BAR3191	3100/2133A	17-Oct-13	1200 E. MCNICHOLS	SHA	SOW	17-Oct-13
781	BAR3192	711/2138	17-Oct-13	1200 E. MCNICHOLS	SHA	SOW	17-Oct-13
782	BAR3193	3100/2133A	17-Oct-13	1200 E. MCNICHOLS	SHA	SOW	17-Oct-13
783	BAR3271	804	17-Oct-13	17423 WEST JEFFERSON	ALCOA	SOW	17-Oct-13
784	BAR3274	804	17-Oct-13	17423 WEST JEFFERSON	ALCOA	SOW	17-Oct-13
785	BAR3354	119/5428	18-Oct-13	26090 23 MILE RD	SHA	SOW	18-Oct-13
786	BAR3355	119/5428	18-Oct-13	26090 23 MILE RD	SHA	SOW	18-Oct-13
787	BAR3356	33/611 A/B	18-Oct-13	26090 23 MILE RD	SHA	SOW	18-Oct-13
788	BAR3357	119/5428	18-Oct-13	26090 23 MILE RD	SHA	SOW	18-Oct-13
789	BAR3358	4/4B	18-Oct-13	26090 23 MILE RD	SHA	SOW	18-Oct-13
790	BAR3359	4/4B	18-Oct-13	26090 23 MILE RD	SHA	SOW	18-Oct-13
791	BAR3360	108/0000	18-Oct-13	26090 23 MILE RD	SHA	SOW	18-Oct-13
792	BAR3361	33/611 A/B/	18-Oct-13	26090 23 MILE RD	SHA	SOW	18-Oct-13
793	BAR3362	119/5428	18-Oct-13	26090 23 MILE RD	SHA	SOW	18-Oct-13
794	BAR3363	4/4B	18-Oct-13	26090 23 MILE RD	SHA	SOW	18-Oct-13
795	BAR3364	108/0000	18-Oct-13	26090 23 MILE RD	SHA	SOW	18-Oct-13
796	BAR3365	33/611 A/B	18-Oct-13	26090 23 MILE RD	SHA	SOW	18-Oct-13
797	BAR3366	119/5428	18-Oct-13	26090 23 MILE RD	SHA	SOW	18-Oct-13
798	BAR3367	108/0000	18-Oct-13	26090 23 MILE RD	SHA	SOW	18-Oct-13
799	BAR3368	4/4B	18-Oct-13	26090 23 MILE RD	SHA	SOW	18-Oct-13
800	BAR3369	33/611 A/B	18-Oct-13	26090 23 MILE RD	SHA	SOW	18-Oct-13
801	BAR3370	108/0000	18-Oct-13	26090 23 MILE RD	SHA	SOW	18-Oct-13
802	BAR3371	4/4B	18-Oct-13	26090 23 MILE RD	SHA	SOW	18-Oct-13
803	BAR3372	33/611 A/B	18-Oct-13	26090 23 MILE RD	SHA/GBAIE	SOW	18-Oct-13
804	BAR3373	108/0000	18-Oct-13	26090 23 MILE RD	GBAIE	SOW	18-Oct-13
805	BAR3424	875/8816	18-Oct-13	1550 SUPERIOR PKWY	ALOUETTE	ING	18-Oct-13
806	BAR3277	2112	18-Oct-13	17423 WEST JEFFERSON	ALCOA	SOW	18-Oct-13
807	BAR3279	806	18-Oct-13	17423 WEST JEFFERSON	ORMET/ALCOA	SOW	18-Oct-13
808	BAR3280	2112	18-Oct-13	17423 WEST JEFFERSON	ORMET	SOW	18-Oct-13
809	BAR3283	2112	18-Oct-13	17423 WEST JEFFERSON	ALCOA/ORMET	SOW	18-Oct-13
810	BAR3284	806	18-Oct-13	17423 WEST JEFFERSON	OR/ABC/ALCO	SOW/TBAR	18-Oct-13

	H	I	J	K	L	M	N	O	P
766	4815 CABOT	54	87,857	39.851	ALGER	3177-03	$225.00	$225.00	
767	4815 CABOT	17	27,580	12.510	ALGER	3178-03	$225.00	$225.00	
768	8650 MT. ELLIOTT	54	87,984	39.909	ALGER	3179-03	$225.00	$225.00	
769	8650 MT. ELLIOTT	53	86,516	39.243	ALGER	3180-03	$225.00	$225.00	
770	8650 MT. ELLIOTT	54	87,828	39.838	ALGER	3181-03	$225.00	$225.00	
771	8650 MT. ELLIOTT	53	86,465	39.220	ALGER	3182-03	$225.00	$225.00	
772	8650 MT. ELLIOTT	53	86,474	39.224	ALGER	3183-03	$225.00	$225.00	
773	8650 MT. ELLIOTT	54	87,788	39.820	ALGER	3184-03	$225.00	$225.00	
774	8650 MT. ELLIOTT	53	86,650	39.304	ALGER	3185-03	$225.00	$225.00	
775	8650 MT. ELLIOTT	53	86,937	39.434	ALGER	3186-03	$225.00	$225.00	
776	8650 MT. ELLIOTT	53	86,806	39.375	ALGER	3187-03	$225.00	$225.00	
777	8650 MT. ELLIOTT	53	86,377	39.180	ALGER	3188-03	$225.00	$225.00	
778	8650 MT. ELLIOTT	53	86,638	39.298	ALGER	3189-03	$225.00	$225.00	
779	8650 MT. ELLIOTT	53	86,737	39.343	ALGER	3190-03	$225.00	$225.00	
780	8650 MT. ELLIOTT	54	87,915	39.878	ALGER	3191-03	$225.00	$225.00	
781	8650 MT. ELLIOTT	53	86,558	39.262	ALGER	3192-03	$225.00	$225.00	
782	8650 MT. ELLIOTT	54	87,773	39.813	ALGER	3193-03	$225.00	$225.00	
783	36555 ECORSE RD	64	86,830	39.385	CLASSIC				
784	36555 ECORSE RD	67	87,084	39.501	CLASSIC				
785	151 LAFAYETTE	54	86,763	39.355	CLASSIC	232	$200.00	$200.00	
786	151 LAFAYETTE	54	87,590	39.730	CLASSIC	232	$200.00	$200.00	
787	151 LAFAYETTE	54	87,638	39.752	CLASSIC	232	$200.00	$200.00	
788	151 LAFAYETTE	54	87,881	39.862	CLASSIC	232	$200.00	$200.00	
789	151 LAFAYETTE	54	87,719	39.789	CLASSIC	232	$200.00	$200.00	
790	151 LAFAYETTE	54	87,925	39.882	CLASSIC	232	$200.00	$200.00	
791	151 LAFAYETTE	54	87,876	39.860	CLASSIC	232	$200.00	$200.00	
792	151 LAFAYETTE	53	86,384	39.183	CLASSIC	232	$200.00	$200.00	
793	151 LAFAYETTE	54	87,344	39.619	CLASSIC	232	$200.00	$200.00	
794	151 LAFAYETTE	53	86,467	39.221	CLASSIC	232	$200.00	$200.00	
795	151 LAFAYETTE	54	87,832	39.840	CLASSIC	232	$200.00	$200.00	
796	151 LAFAYETTE	54	87,665	39.764	CLASSIC	232	$200.00	$200.00	
797	151 LAFAYETTE	54	87,767	39.810	CLASSIC	232	$200.00	$200.00	
798	151 LAFAYETTE	54	87,844	39.845	CLASSIC	232	$200.00	$200.00	
799	151 LAFAYETTE	54	87,924	39.882	CLASSIC	232	$200.00	$200.00	
800	151 LAFAYETTE	54	87,632	39.749	CLASSIC	232	$200.00	$200.00	
801	151 LAFAYETTE	54	87,595	39.732	CLASSIC	232	$200.00	$200.00	
802	151 LAFAYETTE	53	87,751	39.803	CLASSIC	232	$200.00	$200.00	
803	151 LAFAYETTE	60	87,665	39.764	CLASSIC	232	$200.00	$200.00	
804	151 LAFAYETTE	60	87,483	39.682	CLASSIC	232	$200.00	$200.00	
805	36555 ECORSE RD	37	85,715	38.880	FOUR STAR	1570241-00	$200.00	$200.00	
806	36555 ECORSE RD	66	87,305	39.601	CLASSIC	232	$275.00	$275.00	
807	36555 ECORSE RD	61	87,823	39.836	CLASSIC	232	$275.00	$275.00	
808	36555 ECORSE RD	60	87,341	39.617	CLASSIC	232	$275.00	$275.00	
809	36555 ECORSE RD	62	86,870	39.404	CLASSIC	232	$275.00	$275.00	
810	36555 ECORSE RD	57	85,728	39.339	CLASSIC	232	$275.00	$275.00	

	A	B	C	D	E	F	G
811	BAR3278	804	18-Oct-13	17423 WEST JEFFERSON	ALCOA	SOW	18-Oct-13
812	BAR3281	804	18-Oct-13	17423 WEST JEFFERSON	ORMET	SOW	18-Oct-13
813	BAR3285	804	18-Oct-13	17423 WEST JEFFERSON	ALCOA	SOW	18-Oct-13
814	BAR3322	007/007	18-Oct-13	2599 22ND ST	ABCQ/ALCOA	TBAR/SOW	18-Oct-13
815	BAR3324	1022/C920775	18-Oct-13	2599 22ND ST	ABCQ/ALCOA	TBAR	18-Oct-13
816	BAR3327	007/007	18-Oct-13	2599 22ND ST	ABCQ	TBAR	18-Oct-13
817	BAR3329	825/LP101	18-Oct-13	2599 22ND ST	ALCOA	SOW	18-Oct-13
818	BAR3323	357/8014	18-Oct-13	2599 22ND ST	ALCOA	SOW	18-Oct-13
819	BAR3321	875/LP101	18-Oct-13	2599 22ND ST	ABCQ	TBAR	18-Oct-13
820	BAR3320	827/8807	18-Oct-13	2599 22ND ST	ABCQ	TBAR	18-Oct-13
821	BAR3326	819/LP108	18-Oct-13	2599 22ND ST	ABCQ	TBAR	18-Oct-13
822	BAR3325	8807/827	18-Oct-13	2599 22ND ST	ABCQ	TBAR	18-Oct-13
823	BAR3425	875/LP101	18-Oct-13	1550 SUPERIOR PKWY	ALOUETTE	ING	18-Oct-13
824	BAR3426	874/8816	18-Oct-13	1550 SUPERIOR PKWY	ALOUETTE	ING	18-Oct-13
825	BAR3427	B348/6607	18-Oct-13	1550 SUPERIOR PKWY	ALOUETTE	ING	18-Oct-13
826	BAR3328	357/8014	18-Oct-13	2599 22ND ST	ABCQ/ALCOA	SOW/TBAR	18-Oct-13
827	BAR3194	095/17A	18-Oct-13	1200 E. MCNICHOLS	SHA	SOW	18-Oct-13
828	BAR3195	3100/2133A	18-Oct-13	1200 E. MCNICHOLS	SHA/ALC	SOW	18-Oct-13
829	BAR3196	413/2139A	18-Oct-13	1200 E. MCNICHOLS	ALCOA	SOW	18-Oct-13
830	BAR3197	095/17A	18-Oct-13	1200 E. MCNICHOLS	ALCOA	SOW	18-Oct-13
831	BAR3198	9934/2144	18-Oct-13	1200 E. MCNICHOLS	ALCOA	SOW	18-Oct-13
832	BAR3199	3100/2133A	18-Oct-13	1200 E. MCNICHOLS	ALCOA	SOW	18-Oct-13
833	BAR3200	413/2139 A	18-Oct-13	1200 E. MCNICHOLS	ALCOA	SOW	18-Oct-13
834	BAR3201	095/17A	18-Oct-13	1200 E. MCNICHOLS	ALCOA	SOW	18-Oct-13
835	BAR3202	3100/2133A	18-Oct-13	1200 E. MCNICHOLS	ALCOA	SOW	18-Oct-13
836	BAR3203	9934/2144	18-Oct-13	1200 E. MCNICHOLS	ALCOA	SOW	18-Oct-13
837	BAR3204	413/2139 A	18-Oct-13	1200 E. MCNICHOLS	ALCOA	SOW	18-Oct-13
838	BAR3205	095/17A	18-Oct-13	1200 E. MCNICHOLS	ALCOA	SOW	18-Oct-13
839	BAR3206	3100/2133A	18-Oct-13	1200 E. MCNICHOLS	ALCOA	SOW	18-Oct-13
840	BAR3207	9934/2144	18-Oct-13	1200 E. MCNICHOLS	ALCOA	SOW	18-Oct-13
841	BAR3208	413/2144	18-Oct-13	1200 E. MCNICHOLS	ALCOA/ORMET	SOW	18-Oct-13
842	BAR3447	35/35A	18-Oct-13	12850 E. NINE MILE RD	ABCQ	TBAR	18-Oct-13
843	BAR3448	711/2138	18-Oct-13	12850 E. NINE MILE RD	ABCQ/ABI	TBAR	18-Oct-13
844	BAR3449	711/2138	18-Oct-13	12850 E. NINE MILE RD	ABI	TBAR	18-Oct-13
845	BAR3450	711/2138	18-Oct-13	12850 E. NINE MILE RD	ABI/OR/ALC	TBAR/SOW	18-Oct-13
846	BAR3451	711/2138	18-Oct-13	12850 E. NINE MILE RD	ALCOA	SOW	18-Oct-13
847	BAR3319	819/2P108	18-Oct-13	2599 22ND ST	ABCQ	TBAR	18-Oct-13
848	BAR3452	711/2138	21-Oct-13	12850 E. NINE MILE RD	SEB/ALCOA	SOW	21-Oct-13
849	BAR3292	15097	21-Oct-13	17423 WEST JEFFERSON	ORMET	SOW	21-Oct-13
850	BAR3333LTL	875/LP101	21-Oct-13	2599 22ND ST	ALCOA	SOW	21-Oct-13
851	BAR3330	575/LP101	21-Oct-13	2599 22ND ST	ABCQ/ALCOA	TBAR/SOW	21-Oct-13
852	BAR3331	875/8816	21-Oct-13	2599 22ND ST	ABCQ	TBAR	21-Oct-13
853	BAR3332	B348/8807	21-Oct-13	2599 22ND ST	ABCQ/ALCOA	TBAR/SOW	21-Oct-13
854	BAR3428	007/007	21-Oct-13	1550 SUPERIOR PKWY	ALOUETTE	SOW	21-Oct-13
855	BAR3429	357/8014	21-Oct-13	1550 SUPERIOR PKWY	ALOUETTE	SOW	21-Oct-13

	H	I	J	K	L	M	N	O	P
811	36555 ECORSE RD	65	87,082	39.500	SELMAN	232	$275.00	$275.00	
812	36555 ECORSE RD	59	86,678	39.317	SELMAN	232	$275.00	$275.00	
813	36555 ECORSE RD	64	87,282	39.590	SELMAN	232	$275.00	$275.00	
814	36555 ECORSE RD	65	87,036	39.479	FOUR STAR	1570229-00	$200.00	$200.00	
815	36555 ECORSE RD	59	87,071	39.495	FOUR STAR	1570231-00	$200.00	$200.00	
816	36555 ECORSE RD	55	87,000	39.463	FOUR STAR	1570232-00	$200.00	$200.00	
817	36555 ECORSE RD	65	87,648	39.757	FOUR STAR	1570234-00	$200.00	$200.00	
818	36555 ECORSE RD	62	87,025	39.474	FOUR STAR	1570235-00	$200.00	$200.00	
819	36555 ECORSE RD	55	87,105	39.510	FOUR STAR	1570236-00	$200.00	$200.00	
820	36555 ECORSE RD	55	87,101	39.508	FOUR STAR	1570238-00	$200.00	$200.00	
821	36555 ECORSE RD	55	87,217	39.561	FOUR STAR	1570239-00	$200.00	$200.00	
822	36555 ECORSE RD	55	86,659	39.308	FOUR STAR	1570240-00	$200.00	$200.00	
823	36555 ECORSE RD	38	87,684	39.773	FOUR STAR	1570242-00	$200.00	$200.00	
824	36555 ECORSE RD	38	87,528	39.702	FOUR STAR	1570243-00	$200.00	$200.00	
825	36555 ECORSE RD	52	87,153	39.532	FOUR STAR	1570244-00	$200.00	$200.00	
826	36555 ECORSE RD	61	86,900	39.417	FOUR STAR	1750233-00	$200.00	$200.00	
827	8650 MT. ELLIOTT	53	86,884	39.410	ALGER	3194-03	$225.00	$225.00	
828	8650 MT. ELLIOTT	58	86,668	39.312	ALGER	3195-03	$225.00	$225.00	
829	8650 MT. ELLIOTT	67	87,089	39.503	ALGER	3196-03	$225.00	$225.00	
830	8650 MT. ELLIOTT	66	87,376	39.633	ALGER	3197-03	$225.00	$225.00	
831	8650 MT. ELLIOTT	66	86,710	39.331	ALGER	3198-03	$225.00	$225.00	
832	8650 MT. ELLIOTT	64	87,108	39.512	ALGER	3199-03	$225.00	$225.00	
833	8650 MT. ELLIOTT	65	87,904	39.873	ALGER	3200-03	$225.00	$225.00	
834	8650 MT. ELLIOTT	66	86,665	39.311	ALGER	3201-03	$225.00	$225.00	
835	8650 MT. ELLIOTT	65	87,903	39.872	ALGER	3202-03	$225.00	$225.00	
836	8650 MT. ELLIOTT	65	87,430	39.658	ALGER	3203-03	$225.00	$225.00	
837	8650 MT. ELLIOTT	64	87,838	39.843	ALGER	3204-03	$225.00	$225.00	
838	8650 MT. ELLIOTT	67	87,810	39.830	ALGER	3205-03	$225.00	$225.00	
839	8650 MT. ELLIOTT	64	87,392	39.640	ALGER	3206-03	$225.00	$225.00	
840	8650 MT. ELLIOTT	65	87,817	39.833	ALGER	3207-03	$225.00	$225.00	
841	8650 MT. ELLIOTT	64	86,397	39.189	ALGER	3208-03	$225.00	$225.00	
842	6490 LYNCH	55	86,493	39.233	ALGER	3447-03	$225.00	$225.00	
843	6490 LYNCH	55	86,899	39.417	ALGER	3448-03	$225.00	$225.00	
844	6490 LYNCH	54	87,718	39.788	ALGER	3449-03	$225.00	$225.00	
845	6490 LYNCH	60	87,021	39.472	ALGER	3450-03	$225.00	$225.00	
846	6490 LYNCH	62	87,625	39.746	ALGER	3451-03	$225.00	$225.00	
847	36555 ECORSE RD	55	87,164	39.537	FOUR STAR				
848	6490 LYNCH	60	86,545	39.256	ALGER	3452-03	$225.00	$225.00	
849	36555 ECORSE RD	60	87,439	39.662	CLASSIC	237	$275.00	$275.00	
850	36555 ECORSE RD	28	37,758	17.127	FOUR STAR	1570378-00	$200.00	$200.00	
851	36555 ECORSE RD	61	87,254	39.578	FOUR STAR	1570379-00	$200.00	$200.00	
852	36555 ECORSE RD	55	87,429	39.657	FOUR STAR	1570380-00	$200.00	$200.00	
853	36555 ECORSE RD	63	87,189	39.548	FOUR STAR	1570381-00	$200.00	$200.00	
854	36555 ECORSE RD	55	86,872	39.405	FOUR STAR	1570383-00	$200.00	$200.00	
855	36555 ECORSE RD	55	86,703	39.328	FOUR STAR	1570384-00	$200.00	$200.00	

	A	B	C	D	E	F	G
856	BAR3430	007/007	21-Oct-13	1550 SUPERIOR PKWY	ALOUETTE	SOW	21-Oct-13
857	BAR3431	357/8014	21-Oct-13	1550 SUPERIOR PKWY	ALOUETTE	SOW	21-Oct-13
858	BAR3432	1012/81145	21-Oct-13	1550 SUPERIOR PKWY	ALOUETTE	SOW	21-Oct-13
859	BAR3286	804	21-Oct-13	17423 WEST JEFFERSON	ALCOA	SOW	21-Oct-13
860	BAR3287	806	21-Oct-13	17423 WEST JEFFERSON	ALCOA	SOW	21-Oct-13
861	BAR3288	804	21-Oct-13	17423 WEST JEFFERSON	ALCOA	SOW	21-Oct-13
862	BAR3289	806	21-Oct-13	17423 WEST JEFFERSON	ORMET/ALCOA	SOW	21-Oct-13
863	BAR3290	601	21-Oct-13	17423 WEST JEFFERSON	ORMET	SOW	21-Oct-13
864	BAR3291	804	21-Oct-13	17423 WEST JEFFERSON	ORMET/ALOU	SOW/ING	21-Oct-13
865	BAR3293	806	21-Oct-13	17423 WEST JEFFERSON	ORMET/ABCQ	SOW/TBAR	21-Oct-13
866	BAR3297LTL	601	21-Oct-13	17423 WEST JEFFERSON	ALCOA	SOW	21-Oct-13
867	BAR3374	119/5428	21-Oct-13	26090 23 MILE RD	GBAIE	SOW	21-Oct-13
868	BAR3375	119/5428	21-Oct-13	26090 23 MILE RD	GBAIE	SOW	21-Oct-13
869	BAR3376	4/4B	21-Oct-13	26090 23 MILE RD	GBAIE	SOW	21-Oct-13
870	BAR3377	520/2112	21-Oct-13	26090 23 MILE RD	GBAIEALOU	SOW	21-Oct-13
871	BAR3378	119/5478	21-Oct-13	26090 23 MILE RD	ALOUETTE	SOW	21-Oct-13
872	BAR3379	4/4B	21-Oct-13	26090 23 MILE RD	ALOUETTE	SOW	21-Oct-13
873	BAR3380	520/2112	21-Oct-13	26090 23 MILE RD	ALOUETTE	SOW	21-Oct-13
874	BAR3381	119/5428	21-Oct-13	26090 23 MILE RD	ALOUETTE	SOW	21-Oct-13
875	BAR3382	4/4B	21-Oct-13	26090 23 MILE RD	ALOUETTE	SOW	21-Oct-13
876	BAR3383	520/2112	21-Oct-13	26090 23 MILE RD	ALOUETTE	SOW	21-Oct-13
877	BAR3384	119/5428	21-Oct-13	26090 23 MILE RD	ALOUETTE	SOW	21-Oct-13
878	BAR3385	4/4B	21-Oct-13	26090 23 MILE RD	ALOUETTE	SOW	21-Oct-13
879	BAR3386	520/2112	21-Oct-13	26090 23 MILE RD	ALOUETTE	SOW	21-Oct-13
880	BAR3387	119/5428	21-Oct-13	26090 23 MILE RD	ALOUETTE	SOW	21-Oct-13
881	BAR3388	4/4B	21-Oct-13	26090 23 MILE RD	ALOUETTE	SOW	21-Oct-13
882	BAR3389	5202112	21-Oct-13	26090 23 MILE RD	ALOUETTE	SOW	21-Oct-13
883	BAR3390	4/4B	21-Oct-13	26090 23 MILE RD	ALOUETTE	SOW	21-Oct-13
884	BAR3412	33/611A/B	21-Oct-13	160 VISGER	ABCQ	TBAR	21-Oct-13
885	BAR3413	33/611 A/B	21-Oct-13	160 VISGER	ABCQ/ABI	TBAR	21-Oct-13
886	BAR3414	33/611 A/B	21-Oct-13	160 VISGER	ABI	TBAR	21-Oct-13
887	BAR3415LTL	33/611 A/B	21-Oct-13	160 VISGER	ABI	TBAR	21-Oct-13
888	BAR3209	3100/2133A	21-Oct-13	1200 E. MCNICHOLS	ORMET	SOW	21-Oct-13
889	BAR3210	9934	21-Oct-13	1200 E. MCNICHOLS	ORMET	SOW	21-Oct-13
890	BAR3211	35/35A	21-Oct-13	1200 E. MCNICHOLS	ORMET	SOW	21-Oct-13
891	BAR3212	3100/2133A	21-Oct-13	1200 E. MCNICHOLS	ORMET	SOW	21-Oct-13
892	BAR3213	9934/2144A	21-Oct-13	1200 E. MCNICHOLS	ORMET	SOW	21-Oct-13
893	BAR3214	095/17A	21-Oct-13	1200 E. MCNICHOLS	ORMET	SOW	21-Oct-13
894	BAR3215	35/35A	21-Oct-13	1200 E. MCNICHOLS	ORMET	SOW	21-Oct-13
895	BAR3216	3100/2133A	21-Oct-13	1200 E. MCNICHOLS	ABI/ORMET	TBAR/SOW	21-Oct-13
896	BAR3217	9934/2144A	21-Oct-13	1200 E. MCNICHOLS	ABI	TBAR	21-Oct-13
897	BAR3218	95/17A	21-Oct-13	1200 E. MCNICHOLS	ABI	TBAR	21-Oct-13
898	BAR3219	35/35A	21-Oct-13	1200 E. MCNICHOLS	ABI	TBAR	21-Oct-13
899	BAR3220	3100/2133A	21-Oct-13	1200 E. MCNICHOLS	ABI	TBAR	21-Oct-13
900	BAR3221	634/2139	21-Oct-13	1200 E. MCNICHOLS	ABI	TBAR	21-Oct-13

	H	I	J	K	L	M	N	O	P
856	36555 ECORSE RD	55	87,030	39.476	FOUR STAR	1570385-00	$200.00	$200.00	
857	36555 ECORSE RD	55	86,902	39.418	FOUR STAR	1570386-00	$200.00	$200.00	
858	36555 ECORSE RD	56	86,552	39.259	FOUR STAR	1570387-00	$200.00	$200.00	
859	36555 ECORSE RD	64	87,005	39.465	CLASSIC	237	$275.00	$275.00	
860	36555 ECORSE RD	64	87,937	39.888	CLASSIC	237	$275.00	$275.00	
861	36555 ECORSE RD	64	86,754	39.351	CLASSIC	237	$275.00	$275.00	
862	36555 ECORSE RD	60	87,209	39.557	CLASSIC	237	$275.00	$275.00	
863	36555 ECORSE RD	60	87,517	39.697	CLASSIC	237	$275.00	$275.00	
864	36555 ECORSE RD	46	87,686	39.774	CLASSIC	237	$275.00	$275.00	
865	36555 ECORSE RD	58	87,464	39.673	CLASSIC	237	$275.00	$275.00	
866	36555 ECORSE RD	25	33,581	15.232	CLASSIC	237	$275.00	$275.00	
867	151 LAFAYETTE	61	87,600	39.735	CLASSIC	237	$200.00	$200.00	
868	151 LAFAYETTE	60	86,870	39.404	CLASSIC	237	$200.00	$200.00	
869	151 LAFAYETTE	63	87,486	39.683	CLASSIC	237	$200.00	$200.00	
870	151 LAFAYETTE	59	87,304	39.600	CLASSIC	237	$200.00	$200.00	
871	151 LAFAYETTE	58	87,211	39.558	CLASSIC	237	$200.00	$200.00	
872	151 LAFAYETTE	55	86,600	39.281	CLASSIC	237	$200.00	$200.00	
873	151 LAFAYETTE	55	86,943	39.437	CLASSIC	237	$200.00	$200.00	
874	151 LAFAYETTE	55	86,938	39.434	CLASSIC	237	$200.00	$200.00	
875	151 LAFAYETTE	55	86,924	39.428	CLASSIC	237	$200.00	$200.00	
876	151 LAFAYETTE	55	86,617	39.289	CLASSIC	237	$200.00	$200.00	
877	151 LAFAYETTE	55	86,446	39.211	CLASSIC	237	$200.00	$200.00	
878	151 LAFAYETTE	55	87,049	39.485	CLASSIC	237	$200.00	$200.00	
879	151 LAFAYETTE	54	86,383	39.183	CLASSIC	237	$200.00	$200.00	
880	151 LAFAYETTE	55	87,486	39.683	CLASSIC	237	$200.00	$200.00	
881	151 LAFAYETTE	55	86,922	39.427	CLASSIC	237	$200.00	$200.00	
882	151 LAFAYETTE	55	86,717	39.334	CLASSIC	237	$200.00	$200.00	
883	151 LAFAYETTE	55	86,979	39.453	CLASSIC	237	$200.00	$200.00	
884	308 ANTOINE N	55	87,098	39.507	CLASSIC	237	$200.00	$200.00	
885	308 ANTOINE N	55	87,272	39.586	CLASSIC	237	$200.00	$200.00	
886	308 ANTOINE N	54	87,372	39.631	CLASSIC	237	$200.00	$200.00	
887	308 ANTOINE N	43	69,882	31.698	CLASSIC	237	$200.00	$200.00	
888	8650 MT. ELLIOTT	62	87,022	39.473	ALGER	3209-03	$225.00	$225.00	
889	8650 MT. ELLIOTT	61	87,194	39.551	ALGER	3210-03	$225.00	$225.00	
890	8650 MT. ELLIOTT	60	87,921	39.880	ALGER	3211-03	$225.00	$225.00	
891	8650 MT. ELLIOTT	62	87,501	39.690	ALGER	3212-03	$225.00	$225.00	
892	8650 MT. ELLIOTT	61	87,153	39.532	ALGER	3213-03	$225.00	$225.00	
893	8650 MT. ELLIOTT	60	86,740	39.345	ALGER	3214-03	$225.00	$225.00	
894	8650 MT. ELLIOTT	62	87,855	39.850	ALGER	3215-03	$225.00	$225.00	
895	8650 MT. ELLIOTT	57	87,909	39.875	ALGER	3216-03	$225.00	$225.00	
896	8650 MT. ELLIOTT	54	87,687	39.774	ALGER	3217-03	$225.00	$225.00	
897	8650 MT. ELLIOTT	54	87,721	39.790	ALGER	3218-03	$225.00	$225.00	
898	8650 MT. ELLIOTT	54	87,770	39.812	ALGER	3219-03	$225.00	$225.00	
899	8650 MT. ELLIOTT	54	87,858	39.852	ALGER	3220-03	$225.00	$225.00	
900	8650 MT. ELLIOTT	54	87,830	39.839	ALGER	3221-03	$225.00	$225.00	

	A	B	C	D	E	F	G
901	BAR3222	9934/2144A	21-Oct-13	1200 E. MCNICHOLS	ABI/ALMA	TBAR/SOW	21-Oct-13
902	BAR3223	95/17A	21-Oct-13	1200 E. MCNICHOLS	ALMA/ABCQ	TBAR/SOW	21-Oct-13
903	BAR3224LTL	35/35A	21-Oct-13	1200 E. MCNICHOLS	ALMA/ABCQ	TBAR/SOW	21-Oct-13
904	BAR3453	711/2138	21-Oct-13	12850 E. NINE MILE RD	SEB/ALCOA	SOW	21-Oct-13
905	BAR3454	711/2138	21-Oct-13	12850 E. NINE MILE RD	ALCOA	SOW	21-Oct-13
906	BAR3455	634/2139	21-Oct-13	12850 E. NINE MILE RD	ALCOA/ALMA	SOW	21-Oct-13
907	BAR3456LTL	711/2138	21-Oct-13	12850 E. NINE MILE RD	ALMA	SOW	21-Oct-13
908	BAR3434	1012/81146	22-Oct-13	1550 SUPERIOR PKWY	ALOUETTE	SOW	22-Oct-13
909	BAR3433	B340-8807	22-Oct-13	1550 SUPERIOR PKWY	ALOUETTE	SOW	22-Oct-13
910	BAR3294	804	22-Oct-13	17423 WEST JEFFERSON	ABCQ	TBAR	22-Oct-13
911	BAR3295	806	22-Oct-13	17423 WEST JEFFERSON	ABCQ/ORMET	TBAR/SOW	22-Oct-13
912	BAR3296	804	22-Oct-13	17423 WEST JEFFERSON	ORMET/ALCOA	SOW	22-Oct-13
913	BAR3391	33/611 A/B	22-Oct-13	26090 23 MILE RD	ALO/ALCOA	SOW	22-Oct-13
914	BAR3392	119/5428	22-Oct-13	26090 23 MILE RD	ALCOA/ORMET	SOW	22-Oct-13
915	BAR3393	33/611 A/B	22-Oct-13	26090 23 MILE RD	ORMET	SOW	22-Oct-13
916	BAR3394	520/2112	22-Oct-13	26090 23 MILE RD	ABI/ORMET	TBAR/SOW	22-Oct-13
917	BAR3395	119/5428	22-Oct-13	26090 23 MILE RD	ABI	TBAR	22-Oct-13
918	BAR3396	4/4B	22-Oct-13	26090 23 MILE RD	ABI	TBAR	22-Oct-13
919	BAR3397	520/2112	22-Oct-13	26090 23 MILE RD	ABI	TBAR	22-Oct-13
920	BAR3398	4/4B	22-Oct-13	26090 23 MILE RD	ABI	TBAR	22-Oct-13
921	BAR3399	119/5428	22-Oct-13	26090 23 MILE RD	ABI	TBAR	22-Oct-13
922	BAR3400LTL	119/5428	22-Oct-13	26090 23 MILE RD	ABI	TBAR	22-Oct-13
923	BAR3457LTL	108-0080	22-Oct-13	1725 CICOTTE	ABCQ	TBAR	22-Oct-13
924	BAR3527	806	22-Oct-13	17423 WEST JEFFERSON	ABCQ/ALCOA	TBAR/SOW	22-Oct-13
925	BAR3623	119/5428	22-Oct-13	26090 23 MILE RD	ABI	TBAR	22-Oct-13
926	BAR3624	4/4B	22-Oct-13	26090 23 MILE RD	ABI	TBAR	22-Oct-13
927	BAR3625	520/2112	22-Oct-13	26090 23 MILE RD	ABI	TBAR	22-Oct-13
928	BAR3626	33/611 A/B	22-Oct-13	26090 23 MILE RD	ABI/DES/ABC	TBAR	22-Oct-13
929	BAR3627	4/4B	22-Oct-13	26090 23 MILE RD	DES/ABC	TBAR	22-Oct-13
930	BAR3628	33/611 A/B	22-Oct-13	26090 23 MILE RD	DES/ABC	TBAR	22-Oct-13
931	BAR3629	119/5428	22-Oct-13	26090 23 MILE RD	ABCQ	TBAR	22-Oct-13
932	BAR3630	520/2112	22-Oct-13	26090 23 MILE RD	ABI/ABCQ	TBAR	22-Oct-13
933	BAR3631	4/4B	22-Oct-13	26090 23 MILE RD	ABI/ABCQ	TBAR	22-Oct-13
934	BAR3632	119/5428	22-Oct-13	26090 23 MILE RD	ABCQ	TBAR	22-Oct-13
935	BAR3460	3100/2133A	22-Oct-13	1200 E. MCNICHOLS	SHA	SOW	22-Oct-13
936	BAR3461	78/2147A	22-Oct-13	1200 E. MCNICHOLS	SHA	SOW	22-Oct-13
937	BAR3462	35/35A	22-Oct-13	1200 E. MCNICHOLS	SHA	SOW	22-Oct-13
938	BAR3463	3100/2133A	22-Oct-13	1200 E. MCNICHOLS	SHA	SOW	22-Oct-13
939	BAR3464	35/35A	22-Oct-13	1200 E. MCNICHOLS	SHA	SOW	22-Oct-13
940	BAR3465	78/2147A	22-Oct-13	1200 E. MCNICHOLS	SHA	SOW	22-Oct-13
941	BAR3466	3100/2133A	22-Oct-13	1200 E. MCNICHOLS	SHA	SOW	22-Oct-13
942	BAR3467	28/2147A	22-Oct-13	1200 E. MCNICHOLS	SHA	SOW	22-Oct-13
943	BAR3468	35/35A	22-Oct-13	1200 E. MCNICHOLS	SHA	SOW	22-Oct-13
944	BAR3469	3100/2133A	22-Oct-13	1200 E. MCNICHOLS	SHA	SOW	22-Oct-13
945	BAR3470	78/2147A	22-Oct-13	1200 E. MCNICHOLS	SHA	SOW	22-Oct-13

	H	I	J	K	L	M	N	O	P
901	8650 MT. ELLIOTT	63	87,053	39.487	ALGER	3222-03	$225.00	$225.00	
902	8650 MT. ELLIOTT	58	86,643	39.301	ALGER	3223-03	$225.00	$225.00	
903	8650 MT. ELLIOTT	44	57,500	26.082	ALGER	3224-03	$225.00	$225.00	
904	6590 LYNCH	61	87,678	39.770	ALGER	3453-03	$225.00	$225.00	
905	6590 LYNCH	62	86,789	39.367	ALGER	3454-03	$225.00	$225.00	
906	6590 LYNCH	62	87,263	39.582	ALGER	3455-03	$225.00	$225.00	
907	6590 LYNCH	34	44,529	20.198	ALGER	3456-03	$225.00	$225.00	
908	36555 ECORSE RD	10	15,423	6.996	FOUR STAR	1570382-00	$200.00	$200.00	
909	36555 ECORSE RD	56	87,385	39.637	FOUR STAR	1570939-00	$200.00	$200.00	
910	36555 ECORSE RD	55	87,032	39.477	CLASSIC	237	$275.00	$275.00	
911	36555 ECORSE RD	57	86,632	39.296	CLASSIC	237	$275.00	$275.00	
912	36555 ECORSE RD	62	87,489	39.684	CLASSIC	237	$275.00	$275.00	
913	151 LAFAYETTE	64	87,258	39.580	CLASSIC	237	$200.00	$200.00	
914	151 LAFAYETTE	62	87,137	39.525	CLASSIC	237	$200.00	$200.00	
915	151 LAFAYETTE	60	87,273	39.586	CLASSIC	237	$200.00	$200.00	
916	151 LAFAYETTE	57	87,277	39.588	CLASSIC	237	$200.00	$200.00	
917	151 LAFAYETTE	54	87,741	39.799	CLASSIC	237	$200.00	$200.00	
918	151 LAFAYETTE	54	87,826	39.837	CLASSIC	237	$200.00	$200.00	
919	151 LAFAYETTE	54	87,708	39.784	CLASSIC	237	$200.00	$200.00	
920	151 LAFAYETTE	54	87,921	39.880	CLASSIC	237	$200.00	$200.00	
921	151 LAFAYETTE	54	87,697	39.779	CLASSIC	237	$200.00	$200.00	
922	151 LAFAYETTE	29	47,117	21.372	CLASSIC	237	$200.00	$200.00	
923	160 VISGER	35	55,420	25.138	CLASSIC	237	$200.00	$200.00	
924	36555 ECORSE RD	60	87,253	39.577	CLASSIC	237	$275.00	$275.00	
925	151 LAFAYETTE	54	87,608	39.738	CLASSIC	237	$200.00	$200.00	
926	151 LAFAYETTE	55	87,894	39.868	CLASSIC	237	$200.00	$200.00	
927	151 LAFAYETTE	54	87,499	39.689	CLASSIC	237	$200.00	$200.00	
928	151 LAFAYETTE	56	87,813	39.831	CLASSIC	237	$200.00	$200.00	
929	151 LAFAYETTE	56	86,711	39.331	CLASSIC	237	$200.00	$200.00	
930	151 LAFAYETTE	57	87,123	39.518	CLASSIC	237	$200.00	$200.00	
931	151 LAFAYETTE	55	87,276	39.589	CLASSIC	237	$200.00	$200.00	
932	151 LAFAYETTE	54	86,541	39.254	CLASSIC	237	$200.00	$200.00	
933	151 LAFAYETTE	54	87,700	39.780	CLASSIC	237	$200.00	$200.00	
934	151 LAFAYETTE	55	87,031	39.477	CLASSIC	237	$200.00	$200.00	
935	4815 CABOT	54	87,118	39.516	ALGER	3460-03	$225.00	$225.00	
936	4815 CABOT	54	87,287	39.593	ALGER	3461-03	$225.00	$225.00	
937	4815 CABOT	54	87,073	39.496	ALGER	3462-03	$225.00	$225.00	
938	4815 CABOT	54	86,618	39.289	ALGER	3463-03	$225.00	$225.00	
939	4815 CABOT	54	87,314	39.605	ALGER	3464-03	$225.00	$225.00	
940	4815 CABOT	54	87,554	39.714	ALGER	3465-03	$225.00	$225.00	
941	4815 CABOT	54	87,486	39.683	ALGER	3466-03	$225.00	$225.00	
942	4815 CABOT	53	86,680	39.317	ALGER	3467-03	$225.00	$225.00	
943	4815 CABOT	54	87,213	39.559	ALGER	3468-03	$225.00	$225.00	
944	4815 CABOT	54	87,620	39.744	ALGER	3469-03	$225.00	$225.00	
945	4815 CABOT	54	87,445	39.664	ALGER	3470-03	$225.00	$225.00	

	A	B	C	D	E	F	G
946	BAR3471	35/35A	22-Oct-13	1200 E. MCNICHOLS	SHA	SOW	22-Oct-13
947	BAR3823	9934/2144	22-Oct-13	151 LAFAYETTE	ALOUETTE	SOW	22-Oct-13
948	BAR3824	413/2137A	22-Oct-13	151 LAFAYETTE	ALOUETTE	SOW	22-Oct-13
949	BAR3825	9934/2144	22-Oct-13	151 LAFAYETTE	ALOUETTE	SOW	22-Oct-13
950	BAR3826	408/2143A	22-Oct-13	151 LAFAYETTE	ALOUETTE	SOW	22-Oct-13
951	BAR3827	413/2137A	22-Oct-13	151 LAFAYETTE	ALOUETTE	SOW	22-Oct-13
952	BAR3828	9934-2144	22-Oct-13	151 LAFAYETTE	ALOUETTE	SOW	22-Oct-13
953	BAR3829	408/2143A	22-Oct-13	151 LAFAYETTE	ALOUETTE	SOW	22-Oct-13
954	BAR3830	413/2137A	22-Oct-13	151 LAFAYETTE	ALOUETTE	SOW	22-Oct-13
955	BAR3831	9934-2144	22-Oct-13	151 LAFAYETTE	ALOUETTE	SOW	22-Oct-13
956	BAR3832	095-17A	22-Oct-13	151 LAFAYETTE	ALOUETTE	SOW	22-Oct-13
957	BAR3942	17A/095	22-Oct-13	9450 BUFFALO	ABCQ	TBAR	22-Oct-13
958	BAR3943	17A/095	22-Oct-13	9450 BUFFALO	ABCQ	TBAR	22-Oct-13
959	BAR3944	17A/095	22-Oct-13	9450 BUFFALO	ABCQ	TBAR	22-Oct-13
960	BAR3945	17A/095	22-Oct-13	9450 BUFFALO	ABCQ	TBAR	22-Oct-13
961	BAR3744	357	23-Oct-13	20495 PENNSYLVANIA RD	ME ALCOA/ALCOA	SOW	23-Oct-13
962	BAR3743	7	23-Oct-13	20495 PENNSYLVANIA RD	ME ALCOA	SOW	23-Oct-13
963	BAR3745	357/8014	23-Oct-13	20495 PENNSYLVANIA RD	ALCOA	SOW	23-Oct-13
964	BAR3747	7	23-Oct-13	20495 PENNSYLVANIA RD	ALCOA	SOW	23-Oct-13
965	BAR3749	357	23-Oct-13	20495 PENNSYLVANIA RD	ALCOA	SOW	23-Oct-13
966	BAR3746	739/8821	23-Oct-13	20495 PENNSYLVANIA RD	ALCOA	SOW	23-Oct-13
967	BAR3748	739/8821	23-Oct-13	20495 PENNSYLVANIA RD	ALCOA	SOW	23-Oct-13
968	BAR3751	8348/8807	23-Oct-13	20495 PENNSYLVANIA RD	ALCOA/ME ALCOA	SOW	23-Oct-13
969	BAR3752	B348/8807	23-Oct-13	20495 PENNSYLVANIA RD	ME ALCOA	SOW	23-Oct-13
970	BAR3753	B348/8807	23-Oct-13	20495 PENNSYLVANIA RD	ME ALCOA	SOW	23-Oct-13
971	BAR3750	7	23-Oct-13	20495 PENNSYLVANIA RD	ALCOA	SOW	23-Oct-13
972	BAR3528	611A/B	23-Oct-13	17423 WEST JEFFERSON	ABCQ/ME ALCOA	TBAR/SOW	23-Oct-13
973	BAR3529	80	23-Oct-13	17423 WEST JEFFERSON	ME ALCOA	SOW	23-Oct-13
974	BAR3530	209	23-Oct-13	17423 WEST JEFFERSON	ME ALCOA/ORMET	SOW	23-Oct-13
975	BAR3531	808	23-Oct-13	17423 WEST JEFFERSON	ORMET	SOW	23-Oct-13
976	BAR3532	611/AB	23-Oct-13	17423 WEST JEFFERSON	ORMET/ME ALCOA	SOW	23-Oct-13
977	BAR3533	80	23-Oct-13	17423 WEST JEFFERSON	ME ALCOA	SOW	23-Oct-13
978	BAR3534	804	23-Oct-13	17423 WEST JEFFERSON	ME ALCOA	SOW	23-Oct-13
979	BAR3535	808	23-Oct-13	17423 WEST JEFFERSON	ME ALCOA	SOW	23-Oct-13
980	BAR3536	803	23-Oct-13	17423 WEST JEFFERSON	ME ALCOA	SOW	23-Oct-13
981	BAR3537	611A/B	23-Oct-13	17423 WEST JEFFERSON	ME ALCOA	SOW	23-Oct-13
982	BAR3633	520/2112	23-Oct-13	26090 23 MILE RD	DESCHAMBAULT/ABCQ	TBAR	23-Oct-13
983	BAR3634	4/4B	23-Oct-13	26090 23 MILE RD	DESCHAMBAULT	TBAR	23-Oct-13
984	BAR3635	4/4B	23-Oct-13	26090 23 MILE RD	DESCHAMBAULT/ABCQ	TBAR	23-Oct-13
985	BAR3636	520/2112	23-Oct-13	26090 23 MILE RD	DESCHAMBAULT/ABCQ	TBAR	23-Oct-13
986	BAR3637	4/4B	23-Oct-13	26090 23 MILE RD	ABCQ	TBAR	23-Oct-13
987	BAR3638	520/2112	23-Oct-13	26090 23 MILE RD	DESCHAMBAULT/ABCQ	TBAR	23-Oct-13
988	BAR3639	520/2112	23-Oct-13	26090 23 MILE RD	DESCHAMBAULT/ABCQ	TBAR	23-Oct-13
989	BAR3640	6/806	23-Oct-13	26090 23 MILE RD	ABCQ	TBAR	23-Oct-13
990	BAR3641	520/2112	23-Oct-13	26090 23 MILE RD	ABCQ	TBAR	23-Oct-13

	H	I	J	K	L	M	N	O	P
946	4815 CABOT	53	86,439	39.208	ALGER	3471-03	$225.00	$225.00	
947	8650 MT. ELLIOTT	55	87,310	39.603	ALGER	3823-03	$285.00	$285.00	
948	8650 MT. ELLIOTT	55	87,109	39.512	ALGER	3824-03	$285.00	$285.00	
949	8650 MT. ELLIOTT	55	87,304	39.600	ALGER	3825-03	$285.00	$285.00	
950	8650 MT. ELLIOTT	56	87,051	39.486	ALGER	3826-03	$285.00	$285.00	
951	8650 MT. ELLIOTT	56	87,098	39.507	ALGER	3827-03	$285.00	$285.00	
952	8650 MT. ELLIOTT	55	86,649	39.303	ALGER	3828-03	$285.00	$285.00	
953	8650 MT. ELLIOTT	55	87,078	39.498	ALGER	3829-03	$285.00	$285.00	
954	8650 MT. ELLIOTT	55	86,940	39.435	ALGER	3830-03	$285.00	$285.00	
955	8650 MT. ELLIOTT	55	87,534	39.705	ALGER	3831-03	$285.00	$285.00	
956	8650 MT. ELLIOTT	55	86,977	39.452	ALGER	3832-03	$285.00	$285.00	
957	6490 LYNCH	55	87,395	39.642	ALGER	3942-03	$215.00	$215.00	
958	6490 LYNCH	55	87,009	39.467	ALGER	3943-03	$215.00	$215.00	
959	6490 LYNCH	57	86,540	39.254	ALGER	3944-03	$215.00	$215.00	
960	6490 LYNCH	56	87,780	39.816	ALGER	3945-03	$215.00	$215.00	
961	36555 ECORSE RD	61	87,687	39.774	FOUR STAR	1570782-00	$300.00	$300.00	
962	36555 ECORSE RD	63	86,852	39.395	FOUR STAR	1570783-00	$300.00	$300.00	
963	36555 ECORSE RD	60	87,210	39.558	FOUR STAR	1570784-00	$300.00	$300.00	
964	36555 ECORSE RD	59	87,391	39.640	FOUR STAR	1570785-00	$300.00	$300.00	
965	36555 ECORSE RD	59	86,660	39.308	FOUR STAR	1570786-00	$300.00	$300.00	
966	36555 ECORSE RD	59	87,228	39.566	FOUR STAR	1570787-00	$300.00	$300.00	
967	36555 ECORSE RD	59	87,006	39.465	FOUR STAR	1570789-00	$300.00	$300.00	
968	36555 ECORSE RD	65	87,667	39.765	FOUR STAR	1570790-00	$300.00	$300.00	
969	36555 ECORSE RD	65	86,914	39.424	FOUR STAR	1570791-00	$300.00	$300.00	
970	36555 ECORSE RD	67	87,435	39.660	FOUR STAR	1570792-00	$300.00	$300.00	
971	36555 ECORSE RD	59	87,300	39.599	FOUR STAR	1570793-00	$300.00	$300.00	
972	36555 ECORSE RD	61	86,829	39.385	CLASSIC	237	$275.00	$275.00	
973	36555 ECORSE RD	65	87,377	39.634	CLASSIC	237	$275.00	$275.00	
974	36555 ECORSE RD	63	87,411	39.649	CLASSIC	237	$275.00	$275.00	
975	36555 ECORSE RD	61	87,052	39.486	CLASSIC	237	$275.00	$275.00	
976	36555 ECORSE RD	66	87,790	39.821	CLASSIC	237	$275.00	$275.00	
977	36555 ECORSE RD	63	87,252	39.577	CLASSIC	237	$275.00	$275.00	
978	36555 ECORSE RD	66	87,370	39.630	CLASSIC	237	$275.00	$275.00	
979	36555 ECORSE RD	64	87,359	39.625	CLASSIC	237	$275.00	$275.00	
980	36555 ECORSE RD	64	87,770	39.812	CLASSIC	237	$275.00	$275.00	
981	36555 ECORSE RD	66	86,959	39.444	CLASSIC	237	$275.00	$275.00	
982	151 LAFAYETTE	58	87,424	39.655	CLASSIC	237	$200.00	$200.00	
983	151 LAFAYETTE	58	87,075	39.497	CLASSIC	237	$200.00	$200.00	
984	151 LAFAYETTE	56	86,938	39.434	CLASSIC	237	$200.00	$200.00	
985	151 LAFAYETTE	56	87,016	39.470	CLASSIC	237	$200.00	$200.00	
986	151 LAFAYETTE	55	87,354	39.623	CLASSIC	237	$200.00	$200.00	
987	151 LAFAYETTE	56	87,984	39.909	CLASSIC	237	$200.00	$200.00	
988	151 LAFAYETTE	57	87,813	39.831	CLASSIC	237	$200.00	$200.00	
989	151 LAFAYETTE	55	87,174	39.542	CLASSIC	237	$200.00	$200.00	
990	151 LAFAYETTE	55	87,137	39.525	CLASSIC	237	$200.00	$200.00	

	A	B	C	D	E	F	G
991	BAR3642	520/2112	23-Oct-13	26090 23 MILE RD	ABCQ	TBAR	23-Oct-13
992	BAR4128	6/806	23-Oct-13	50750 RUSSEL SCHMIDT	ABI	TBAR	23-Oct-13
993	BAR4129	6/806	23-Oct-13	50750 RUSSEL SCHMIDT	ABI	TBAR	23-Oct-13
994	BAR4130	6/806	23-Oct-13	50750 RUSSEL SCHMIDT	ABI	TBAR	23-Oct-13
995	BAR4131	6/806	23-Oct-13	50750 RUSSEL SCHMIDT	ABI/DESCHAMBAULT	TBAR	23-Oct-13
996	BAR4132	6/806	23-Oct-13	50750 RUSSEL SCHMIDT	DESCHAMBAULT	TBAR	23-Oct-13
997	BAR4133LTL	6/806	23-Oct-13	50750 RUSSEL SCHMIDT	DESCHAMBAULT	TBAR	23-Oct-13
998	BAR3472	3100/2133A	23-Oct-13	1200 E. MCNICHOLS	SHA	SOW	23-Oct-13
999	BAR3473	35/35A	23-Oct-13	1200 E. MCNICHOLS	SHA	SOW	23-Oct-13
1000	BAR3474	78/2147A	23-Oct-13	1200 E. MCNICHOLS	SHA	SOW	23-Oct-13
1001	BAR3475	3100/2133A	23-Oct-13	1200 E. MCNICHOLS	SHA	SOW	23-Oct-13
1002	BAR3476	35/35A	23-Oct-13	1200 E. MCNICHOLS	SHA	SOW	23-Oct-13
1003	BAR3477	78/2147A	23-Oct-13	1200 E. MCNICHOLS	SHA	SOW	23-Oct-13
1004	BAR3478	3100/2133A	23-Oct-13	1200 E. MCNICHOLS	SHA	SOW	23-Oct-13
1005	BAR3479	35/35A	23-Oct-13	1200 E. MCNICHOLS	SHA	SOW	23-Oct-13
1006	BAR3480	78/2441A	23-Oct-13	1200 E. MCNICHOLS	SHA/ABI	SOW/TBAR	23-Oct-13
1007	BAR3481	3100/2133A	23-Oct-13	1200 E. MCNICHOLS	ALMA/ABI	SOW/TBAR	23-Oct-13
1008	BAR3482	35/35A	23-Oct-13	1200 E. MCNICHOLS	ALCOA	MASSENA EAST SOW/SOW	23-Oct-13
1009	BAR3483	78/2147A	23-Oct-13	1200 E. MCNICHOLS	ALCOA	MASSENA EAST SOW	23-Oct-13
1010	BAR3833	711/2138A	23-Oct-13	151 LAFAYETTE	ALOUETTE	SOW	23-Oct-13
1011	BAR3834	9934/2144	23-Oct-13	151 LAFAYETTE	ALOUETTE	SOW	23-Oct-13
1012	BAR3835	413/2137A	23-Oct-13	151 LAFAYETTE	ALOUETTE	SOW	23-Oct-13
1013	BAR3836	711/2138A	23-Oct-13	151 LAFAYETTE	ME ALCOA/ALOUETTE	SOW	23-Oct-13
1014	BAR3837	9934/2144	23-Oct-13	151 LAFAYETTE	ME ALCOA	SOW	23-Oct-13
1015	BAR3838	413/2137A	23-Oct-13	151 LAFAYETTE	ME ALCOA	SOW	23-Oct-13
1016	BAR3839	711/2138A	23-Oct-13	151 LAFAYETTE	ME ALCOA	SOW	23-Oct-13
1017	BAR3840	9934/2144	23-Oct-13	151 LAFAYETTE	ME ALCOA	SOW	23-Oct-13
1018	BAR3841	413/2137A	23-Oct-13	151 LAFAYETTE	ME ALCOA	SOW	23-Oct-13
1019	BAR3842	9934/2144	23-Oct-13	151 LAFAYETTE	ME ALCOA	SOW	23-Oct-13
1020	BAR3946	17A/095	23-Oct-13	9450 BUFFALO	ABCQ	TBAR	23-Oct-13
1021	BAR3947	17A/095	23-Oct-13	9450 BUFFALO	ABCQ	TBAR	23-Oct-13
1022	BAR3948	17A/095	23-Oct-13	9450 BUFFALO	ABCQ	TBAR	23-Oct-13
1023	BAR3949	17A/095	23-Oct-13	9450 BUFFALO	ABCQ	TBAR	23-Oct-13
1024	BAR3754	B348/8807	24-Oct-13	20495 PENNSYLVANIA RD	ME ALCOA	SOW	24-Oct-13
1025	BAR3755	007/007	24-Oct-13	20495 PENNSYLVANIA RD	ME ALCOA	SOW	24-Oct-13
1026	BAR3761	1012/61145	24-Oct-13	20495 PENNSYLVANIA RD	ALCOA	SOW	24-Oct-13
1027	BAR3758	007/007	24-Oct-13	20495 PENNSYLVANIA RD	ME ALCOA	SOW	24-Oct-13
1028	BAR3763	007/007	24-Oct-13	20495 PENNSYLVANIA RD	ALCOA	SOW	24-Oct-13
1029	BAR3767	B348/8807	24-Oct-13	20495 PENNSYLVANIA RD	ALCOA	SOW	24-Oct-13
1030	BAR3762	575/8816	24-Oct-13	20495 PENNSYLVANIA RD	ALCOA	SOW	24-Oct-13
1031	BAR3768	B348/8807	24-Oct-13	20495 PENNSYLVANIA RD	ALCOA/ME ALCOA	SOW	24-Oct-13
1032	BAR3756	B348/8807	24-Oct-13	20495 PENNSYLVANIA RD	ME ALCOA	SOW	24-Oct-13
1033	BAR3759	B348/8807	24-Oct-13	20495 PENNSYLVANIA RD	ME ALCOA/ALCOA	SOW	24-Oct-13
1034	BAR3764	B348/8807	24-Oct-13	20495 PENNSYLVANIA RD	ALCOA	SOW	24-Oct-13
1035	BAR3757	739/8821	24-Oct-13	20495 PENNSYLVANIA RD	ME ALCOA	SOW	24-Oct-13

	H	I	J	K	L	M	N	O	P
991	151 LAFAYETTE	55	87,263	39.582	CLASSIC	237	$200.00	$200.00	
992	26090 23 MILE RD	54	87,574	39.723	CLASSIC	237	$200.00	$200.00	
993	26090 23 MILE RD	54	87,626	39.747	CLASSIC	237	$200.00	$200.00	
994	26090 23 MILE RD	54	87,639	39.752	CLASSIC	237	$200.00	$200.00	
995	26090 23 MILE RD	55	87,565	39.719	CLASSIC	237	$200.00	$200.00	
996	26090 23 MILE RD	58	86,893	39.414	CLASSIC	237	$200.00	$200.00	
997	26090 23 MILE RD	3	4,553	2.065	CLASSIC	237	$200.00	$200.00	
998	4815 CABOT	53	86,488	39.230	ALGER	3472-03	$225.00	$225.00	
999	4815 CABOT	54	87,016	39.470	ALGER	3473-03	$225.00	$225.00	
1000	4815 CABOT	53	86,597	39.280	ALGER	3474-03	$225.00	$225.00	
1001	4815 CABOT	54	87,442	39.663	ALGER	3475-03	$225.00	$225.00	
1002	4815 CABOT	54	86,586	39.275	ALGER	3476-03	$225.00	$225.00	
1003	4815 CABOT	54	87,910	39.875	ALGER	3477-03	$225.00	$225.00	
1004	4815 CABOT	54	86,799	39.371	ALGER	3478-03	$225.00	$225.00	
1005	4815 CABOT	54	87,353	39.623	ALGER	3479-03	$225.00	$225.00	
1006	4815 CABOT	53	86,461	39.218	ALGER	3480-03	$225.00	$225.00	
1007	4815 CABOT	60	87,771	39.812	ALGER	3481-03	$225.00	$225.00	
1008	4815 CABOT	65	87,168	39.539	ALGER	3482-03	$225.00	$225.00	
1009	4815 CABOT	64	87,643	39.754	ALGER	3483-03	$225.00	$225.00	
1010	8650 MT. ELLIOTT	55	87,549	39.712	ALGER	3833-03	$285.00	$285.00	
1011	8650 MT. ELLIOTT	55	86,747	39.348	ALGER	3834-03	$285.00	$285.00	
1012	8650 MT. ELLIOTT	55	87,461	39.672	ALGER	3835-03	$285.00	$285.00	
1013	8650 MT. ELLIOTT	62	87,633	39.750	ALGER	3836-03	$285.00	$285.00	
1014	8650 MT. ELLIOTT	65	87,590	39.730	ALGER	3837-03	$285.00	$285.00	
1015	8650 MT. ELLIOTT	64	86,822	39.382	ALGER	3838-03	$285.00	$285.00	
1016	8650 MT. ELLIOTT	64	87,086	39.502	ALGER	3839-03	$285.00	$285.00	
1017	8650 MT. ELLIOTT	66	86,871	39.404	ALGER	3840-03	$285.00	$285.00	
1018	8650 MT. ELLIOTT	64	86,789	39.367	ALGER	3841-03	$285.00	$285.00	
1019	8650 MT. ELLIOTT	64	87,619	39.743	ALGER	3842-03	$285.00	$285.00	
1020	6490 LYNCH	57	87,172	39.541	ALGER	3946-03	$215.00	$215.00	
1021	6490 LYNCH	58	86,559	39.283	ALGER	3947-03	$215.00	$215.00	
1022	6490 LYNCH	55	86,788	39.366	ALGER	3948-03	$215.00	$215.00	
1023	6490 LYNCH	56	86,671	39.313	ALGER	3949-03	$215.00	$215.00	
1024	36555 ECORSE RD	65	87,564	39.718	FOUR STAR	1570788-00	$300.00	$300.00	
1025	36555 ECORSE RD	64	87,259	39.580	FOUR STAR	1571030-00	$300.00	$300.00	
1026	36555 ECORSE RD	63	87,715	39.787	FOUR STAR	1571031-00	$300.00	$300.00	
1027	36555 ECORSE RD	67	87,945	39.891	FOUR STAR	1571032-00	$300.00	$300.00	
1028	36555 ECORSE RD	62	87,378	39.634	FOUR STAR	1571035-00	$300.00	$300.00	
1029	36555 ECORSE RD	60	87,719	39.789	FOUR STAR	1571036-00	$300.00	$300.00	
1030	36555 ECORSE RD	63	86,974	39.451	FOUR STAR	1571037-00	$300.00	$300.00	
1031	36555 ECORSE RD	64	87,566	39.719	FOUR STAR	1571038-00	$300.00	$300.00	
1032	36555 ECORSE RD	64	87,286	39.592	FOUR STAR	1571039-00	$300.00	$300.00	
1033	36555 ECORSE RD	64	87,055	39.488	FOUR STAR	1571040-00	$300.00	$300.00	
1034	36555 ECORSE RD	61	87,887	39.865	FOUR STAR	1571041-00	$300.00	$300.00	
1035	36555 ECORSE RD	64	87,523	39.700	FOUR STAR	1571042-00	$300.00	$300.00	

	A	B	C	D	E	F	G
1036	BAR3760	739/8821	24-Oct-13	20495 PENNSYLVANIA RD	ALCOA	SOW	24-Oct-13
1037	BAR3765	739/8821	24-Oct-13	20495 PENNSYLVANIA RD	ME ALCOA/ALCOA	SOW	24-Oct-13
1038	BAR3766	1012/81145	24-Oct-13	20495 PENNSYLVANIA RD	ME ALCOA/ALCOA	SOW	24-Oct-13
1039	BAR3538	804	24-Oct-13	17423 WEST JEFFERSON	ORMET/ME ALCOA	SOW	24-Oct-13
1040	BAR3539	611A/B	24-Oct-13	17423 WEST JEFFERSON	ORMET	SOW	24-Oct-13
1041	BAR3540	806	24-Oct-13	17423 WEST JEFFERSON	ORMET	SOW	24-Oct-13
1042	BAR3541	4B	24-Oct-13	17423 WEST JEFFERSON	ORMET/ME ALCOA	SOW	24-Oct-13
1043	BAR3542	804	24-Oct-13	17423 WEST JEFFERSON	ME ALCOA	SOW	24-Oct-13
1044	BAR3543	611A/B	24-Oct-13	17423 WEST JEFFERSON	ME ALCOA	SOW	24-Oct-13
1045	BAR3544	806	24-Oct-13	17423 WEST JEFFERSON	ME ALCOA	SOW	24-Oct-13
1046	BAR3545	3/13/1902	24-Oct-13	17423 WEST JEFFERSON	ME ALCOA	SOW	24-Oct-13
1047	BAR3546	4B	24-Oct-13	17423 WEST JEFFERSON	ORMET/ME ALCOA	SOW	24-Oct-13
1048	BAR3547	804	24-Oct-13	17423 WEST JEFFERSON	ORMET	SOW	24-Oct-13
1049	BAR3643	108/0080	24-Oct-13	26090 23 MILE RD	ABCQ/ALMA	TBAR/SOW	24-Oct-13
1050	BAR3644	108/0080	24-Oct-13	26090 23 MILE RD	ALMA/ABCQ	SOW/TBAR	24-Oct-13
1051	BAR3645	520/2112	24-Oct-13	26090 23 MILE RD	ABCQ	TBAR	24-Oct-13
1052	BAR3646	520/2112	24-Oct-13	26090 23 MILE RD	ABCQ	TBAR	24-Oct-13
1053	BAR3647	108/0080	24-Oct-13	26090 23 MILE RD	ABCQ	TBAR	24-Oct-13
1054	BAR3648	520/2112	24-Oct-13	26090 23 MILE RD	ABCQ	TBAR	24-Oct-13
1055	BAR3649	108/0080	24-Oct-13	26090 23 MILE RD	ABCQ/ALMA	TBAR/SOW	24-Oct-13
1056	BAR3650	520/2112	24-Oct-13	26090 23 MILE RD	ALMA	SOW	24-Oct-13
1057	BAR3651	108/0080	24-Oct-13	26090 23 MILE RD	ALMA	SOW	24-Oct-13
1058	BAR3652	520/2112	24-Oct-13	26090 23 MILE RD	ALMA/ABCQ	SOW/TBAR	24-Oct-13
1059	BAR3484	3100/2133A	24-Oct-13	1200 E. MCNICHOLS	ALCOA	MASSENA EAST SOW	24-Oct-13
1060	BAR3485	700/2147A	24-Oct-13	1200 E. MCNICHOLS	ALCOA	MASSENA EAST SOW	24-Oct-13
1061	BAR3486	35/35A	24-Oct-13	1200 E. MCNICHOLS	ALCOA/ME ALCOA	MASSENA EAST SOW/SOW	24-Oct-13
1062	BAR3487	3100/2133A	24-Oct-13	1200 E. MCNICHOLS	ME ALCOA	SOW	24-Oct-13
1063	BAR3488	78/2147	24-Oct-13	1200 E. MCNICHOLS	ME ALCOA	SOW	24-Oct-13
1064	BAR3489	35/35A	24-Oct-13	1200 E. MCNICHOLS	ME ALCOA	SOW	24-Oct-13
1065	BAR3490	3100/2133A	24-Oct-13	1200 E. MCNICHOLS	ME ALCOA	SOW	24-Oct-13
1066	BAR3491	78/2147A	24-Oct-13	1200 E. MCNICHOLS	ME ALCOA	SOW	24-Oct-13
1067	BAR3492	35/35A	24-Oct-13	1200 E. MCNICHOLS	ME ALCOA	SOW	24-Oct-13
1068	BAR3493	3100/2133A	24-Oct-13	1200 E. MCNICHOLS	ME ALCOA	SOW	24-Oct-13
1069	BAR3494	78/2147A	24-Oct-13	1200 E. MCNICHOLS	ME ALCOA	SOW	24-Oct-13
1070	BAR3495	35/35A	24-Oct-13	1200 E. MCNICHOLS	ME ALCOA	SOW	24-Oct-13
1071	BAR3496	3100/2133A	24-Oct-13	1200 E. MCNICHOLS	ME ALCOA	SOW	24-Oct-13
1072	BAR3497	35/35A	24-Oct-13	1200 E. MCNICHOLS	ME ALCOA	SOW	24-Oct-13
1073	BAR3843	9934/2144	24-Oct-13	151 LAFAYETTE	ME ALCOA	SOW	24-Oct-13
1074	BAR3844	711/2138A	24-Oct-13	151 LAFAYETTE	ME ALCOA	SOW	24-Oct-13
1075	BAR3845	413/2137A	24-Oct-13	151 LAFAYETTE	ME ALCOA	SOW	24-Oct-13
1076	BAR3846	9934/2144	24-Oct-13	151 LAFAYETTE	ME ALCOA	SOW	24-Oct-13
1077	BAR3847	711/2138A	24-Oct-13	151 LAFAYETTE	ME ALCOA	SOW	24-Oct-13
1078	BAR3848	413/2137A	24-Oct-13	151 LAFAYETTE	ME ALCOA	SOW	24-Oct-13
1079	BAR3849	9934/2144	24-Oct-13	151 LAFAYETTE	ME ALCOA	SOW	24-Oct-13
1080	BAR3850	711/2138A	24-Oct-13	151 LAFAYETTE	ME ALCOA	SOW	24-Oct-13

	H	I	J	K	L	M	N	O	P
1036	36555 ECORSE RD	59	87,402	39.645	FOUR STAR	1571043-00	$300.00	$300.00	
1037	36555 ECORSE RD	62	87,286	39.592	FOUR STAR	1571044-00	$300.00	$300.00	
1038	36555 ECORSE RD	60	87,840	39.844	FOUR STAR	1571197-00	$300.00	$300.00	
1039	36555 ECORSE RD	63	87,183	39.546	CLASSIC	237	$275.00	$275.00	
1040	36555 ECORSE RD	63	87,176	39.542	CLASSIC	237	$275.00	$275.00	
1041	36555 ECORSE RD	59	87,285	39.592	CLASSIC	237	$275.00	$275.00	
1042	36555 ECORSE RD	61	86,866	39.402	CLASSIC	237	$275.00	$275.00	
1043	36555 ECORSE RD	65	87,954	39.895	CLASSIC	237	$275.00	$275.00	
1044	36555 ECORSE RD	63	86,904	39.419	CLASSIC	237	$275.00	$275.00	
1045	36555 ECORSE RD	66	87,026	39.474	CLASSIC	237	$275.00	$275.00	
1046	36555 ECORSE RD	66	87,872	39.858	CLASSIC	237	$275.00	$275.00	
1047	36555 ECORSE RD	63	86,631	39.295	CLASSIC	237	$275.00	$275.00	
1048	36555 ECORSE RD	61	87,531	39.703	CLASSIC	237	$275.00	$275.00	
1049	151 LAFAYETTE	62	87,903	39.872	CLASSIC	237	$200.00	$200.00	
1050	151 LAFAYETTE	61	87,903	39.872	CLASSIC	237	$200.00	$200.00	
1051	151 LAFAYETTE	55	87,079	39.498	CLASSIC	237	$200.00	$200.00	
1052	151 LAFAYETTE	55	87,166	39.538	CLASSIC	237	$200.00	$200.00	
1053	151 LAFAYETTE	56	87,271	39.586	CLASSIC	237	$200.00	$200.00	
1054	151 LAFAYETTE	55	87,433	39.659	CLASSIC	237	$200.00	$200.00	
1055	151 LAFAYETTE	58	87,609	39.739	CLASSIC	237	$200.00	$200.00	
1056	151 LAFAYETTE	66	87,856	39.851	CLASSIC	237	$200.00	$200.00	
1057	151 LAFAYETTE	63	87,716	39.787	CLASSIC	237	$200.00	$200.00	
1058	151 LAFAYETTE	56	86,746	39.347	CLASSIC	237	$200.00	$200.00	
1059	4815 CABOT	63	87,120	39.517	ALGER	3484-03	$225.00	$225.00	
1060	4815 CABOT	65	87,141	39.527	ALGER	3485-03	$225.00	$225.00	
1061	4815 CABOT	64	87,871	39.858	ALGER	3486-03	$225.00	$225.00	
1062	4815 CABOT	65	87,702	39.781	ALGER	3487-03	$225.00	$225.00	
1063	4815 CABOT	63	87,234	39.569	ALGER	3488-03	$225.00	$225.00	
1064	4815 CABOT	66	87,737	39.797	ALGER	3489-03	$225.00	$225.00	
1065	4815 CABOT	64	87,915	39.878	ALGER	3490-03	$225.00	$225.00	
1066	4815 CABOT	67	87,880	39.862	ALGER	3491-03	$225.00	$225.00	
1067	4815 CABOT	64	87,369	39.630	ALGER	3492-03	$225.00	$225.00	
1068	4815 CABOT	67	87,899	39.870	ALGER	3493-03	$225.00	$225.00	
1069	4815 CABOT	65	87,053	39.487	ALGER	3494-03	$225.00	$225.00	
1070	4815 CABOT	66	87,561	39.717	ALGER	3495-03	$225.00	$225.00	
1071	4815 CABOT	65	87,763	39.809	ALGER	3496-03	$225.00	$225.00	
1072	4815 CABOT	66	87,119	39.517	ALGER	3497-03	$225.00	$225.00	
1073	8650 MT. ELLIOTT	65	87,534	39.705	ALGER	3843-03	$285.00	$285.00	
1074	8650 MT. ELLIOTT	64	86,712	39.332	ALGER	3844-03	$285.00	$285.00	
1075	8650 MT. ELLIOTT	66	86,946	39.438	ALGER	3845-03	$285.00	$285.00	
1076	8650 MT. ELLIOTT	64	87,055	39.488	ALGER	3846-03	$285.00	$285.00	
1077	8650 MT. ELLIOTT	66	87,544	39.709	ALGER	3847-03	$285.00	$285.00	
1078	8650 MT. ELLIOTT	66	87,525	39.701	ALGER	3848-03	$285.00	$285.00	
1079	8650 MT. ELLIOTT	67	86,910	39.422	ALGER	3849-03	$285.00	$285.00	
1080	8650 MT. ELLIOTT	66	87,924	39.882	ALGER	3850-03	$285.00	$285.00	

	A	B	C	D	E	F	G
1081	BAR3851	9934/2144	24-Oct-13	151 LAFAYETTE	ME ALCOA	SOW	24-Oct-13
1082	BAR3852	711/2138A	24-Oct-13	151 LAFAYETTE	ME ALCOA	SOW	24-Oct-13
1083	BAR3950	17A/095	24-Oct-13	9450 BUFFALO	ABCQ	TBAR	24-Oct-13
1084	BAR3951	17A/095	24-Oct-13	9450 BUFFALO	ABCQ	TBAR	24-Oct-13
1085	BAR3952	17A/095	24-Oct-13	9450 BUFFALO	ABCQ/GBAIE	TBAR/SOW	24-Oct-13
1086	BAR3953	17A/095	24-Oct-13	9450 BUFFALO	ME ALCOA/GBAIE	SOW	24-Oct-13
1087	BAR3954LTL	17A/095	24-Oct-13	9450 BUFFALO	ME ALCOA	SOW	24-Oct-13
1088	BAR3499	35/35A	25-Oct-13	1200 E. MCNICHOLS	ME ALCOA	SOW	25-Oct-13
1089	BAR3502	35/35A	25-Oct-13	1200 E. MCNICHOLS	ME ALCOA	SOW	25-Oct-13
1090	BAR3505	35/35A	25-Oct-13	1200 E. MCNICHOLS	ME ALCOA	SOW	25-Oct-13
1091	BAR3507	35/35A	25-Oct-13	1200 E. MCNICHOLS	ME ALCOA	SOW	25-Oct-13
1092	BAR3510	35/35A	25-Oct-13	1200 E. MCNICHOLS	ME ALCOA	SOW	25-Oct-13
1093	BAR3771	007/007	25-Oct-13	20495 PENNSYLVANIA RD	ALCOA	SOW	25-Oct-13
1094	BAR3772	357/8014	25-Oct-13	20495 PENNSYLVANIA RD	ALCOA	SOW	25-Oct-13
1095	BAR3776	007/007A	25-Oct-13	20495 PENNSYLVANIA RD	ME ALCOA	SOW	25-Oct-13
1096	BAR3775	1012/81145	25-Oct-13	20495 PENNSYLVANIA RD	ME ALCOA	SOW	25-Oct-13
1097	BAR3773	913/8832	25-Oct-13	20495 PENNSYLVANIA RD	ME ALCOA/ALCOA	SOW	25-Oct-13
1098	BAR3769	913/8832	25-Oct-13	20495 PENNSYLVANIA RD	ALCOA	SOW	25-Oct-13
1099	BAR3777	739/8821	25-Oct-13	20495 PENNSYLVANIA RD	ME ALCOA	SOW	25-Oct-13
1100	BAR3770	575/8816	25-Oct-13	20495 PENNSYLVANIA RD	ALCOA	SOW	25-Oct-13
1101	BAR3774	575/8816	25-Oct-13	20495 PENNSYLVANIA RD	ALCOA	SOW	25-Oct-13
1102	BAR3282	804	25-Oct-13	17423 WEST JEFFERSON	ORMET/ME ALCOA	SOW	25-Oct-13
1103	BAR3548	80	25-Oct-13	17423 WEST JEFFERSON	ORMET	SOW	25-Oct-13
1104	BAR3549	542B	25-Oct-13	17423 WEST JEFFERSON	ORMET	SOW	25-Oct-13
1105	BAR3550	611A/B	25-Oct-13	17423 WEST JEFFERSON	ORMET/ME ALCOA	SOW	25-Oct-13
1106	BAR3551	595	25-Oct-13	17423 WEST JEFFERSON	ME ALCOA	SOW	25-Oct-13
1107	BAR3552	804	25-Oct-13	17423 WEST JEFFERSON	ORMET/ME ALCOA	SOW	25-Oct-13
1108	BAR3553	80	25-Oct-13	17423 WEST JEFFERSON	ORMET	SOW	25-Oct-13
1109	BAR3555	5428	25-Oct-13	17423 WEST JEFFERSON	ME ALCOA/ABCQ	SOW/TBAR	25-Oct-13
1110	BAR3556	595	25-Oct-13	17423 WEST JEFFERSON	ABCQ/ME ALCOA	TBAR/SOW	25-Oct-13
1111	BAR3557	611A/B	25-Oct-13	17423 WEST JEFFERSON	ORMET/ME ALCOA	SOW	25-Oct-13
1112	BAR3653	093/9941A/B	25-Oct-13	26090 23 MILE RD	ABI/ABCQ	TBAR	25-Oct-13
1113	BAR3654	520/2112	25-Oct-13	26090 23 MILE RD	ABI/ABCQ	TBAR	25-Oct-13
1114	BAR3655	093/9941AB	25-Oct-13	26090 23 MILE RD	ABCQ	TBAR	25-Oct-13
1115	BAR3656	520/2112	25-Oct-13	26090 23 MILE RD	ABCQ	TBAR	25-Oct-13
1116	BAR3657	093/9941AB	25-Oct-13	26090 23 MILE RD	ALMA/SHA/ABCQ	SOW/TBAR	25-Oct-13
1117	BAR3658	520/2112	25-Oct-13	26090 23 MILE RD	SHA/ABCQ	SOW/TBAR	25-Oct-13
1118	BAR3659	093/9941AB	25-Oct-13	26090 23 MILE RD	ABCQ	TBAR	25-Oct-13
1119	BAR3660	520/2112	25-Oct-13	26090 23 MILE RD	ABCQ/SHA	TBAR/SOW	25-Oct-13
1120	BAR3661	093/9941AB	25-Oct-13	26090 23 MILE RD	ALMA/ABCQ/SHA	SOW/TBAR	25-Oct-13
1121	BAR3662	520/2112	25-Oct-13	26090 23 MILE RD	ABCQ/SHA	TBAR/SOW	25-Oct-13
1122	BAR3980	6/606	25-Oct-13	4815 CABOT	SHA	SOW	25-Oct-13
1123	BAR3981	4/808	25-Oct-13	4815 CABOT	SHA	SOW	25-Oct-13
1124	BAR3982	6/606	25-Oct-13	4815 CABOT	SHA	SOW	25-Oct-13
1125	BAR3983	4/808	25-Oct-13	4815 CABOT	SHA	SOW	25-Oct-13

	H	I	J	K	L	M	N	O	P
1081	8650 MT. ELLIOTT	65	86,738	39.344	ALGER	3851-03	$285.00	$285.00	
1082	8650 MT. ELLIOTT	65	87,842	39.845	ALGER	3852-03	$285.00	$285.00	
1083	6490 LYNCH	60	87,804	39.827	ALGER	3950-03	$215.00	$215.00	
1084	6490 LYNCH	57	86,493	39.233	ALGER	3951-03	$215.00	$215.00	
1085	6490 LYNCH	55	86,942	39.436	ALGER	3952-03	$215.00	$215.00	
1086	6490 LYNCH	65	87,901	39.871	ALGER	3953-03	$215.00	$215.00	
1087	6490 LYNCH	48	66,704	30.256	ALGER	3954-03	$215.00	$215.00	
1088	4815 CABOT	64	87,392	39.640	FULL CIRCLE	3499-03	$225.00	$225.00	
1089	4815 CABOT	65	87,547	39.711	FULL CIRCLE	3502-03	$225.00	$225.00	
1090	4815 CABOT	63	87,132	39.522	FULL CIRCLE	3505-03	$225.00	$225.00	
1091	4815 CABOT	63	87,165	39.537	FULL CIRCLE	3507-03	$225.00	$225.00	
1092	4815 CABOT	64	86,993	39.459	FULL CIRCLE	3510-03	$225.00	$225.00	
1093	36555 ECORSE RD	61	87,388	39.639	FOUR STAR	1571192-00	$300.00	$300.00	
1094	36555 ECORSE RD	61	87,489	39.684	FOUR STAR	1571193-00	$300.00	$300.00	
1095	36555 ECORSE RD	63	87,467	39.674	FOUR STAR	1571194-00	$300.00	$300.00	
1096	36555 ECORSE RD	65	87,948	39.893	FOUR STAR	1571195-00	$300.00	$300.00	
1097	36555 ECORSE RD	61	87,424	39.655	FOUR STAR	1571196-00	$300.00	$300.00	
1098	36555 ECORSE RD	62	87,752	39.804	FOUR STAR	1571197-00	$300.00	$300.00	
1099	36555 ECORSE RD	65	87,956	39.898	FOUR STAR	1571198-00	$300.00	$300.00	
1100	36555 ECORSE RD	60	87,963	39.899	FOUR STAR	1571199-00	$300.00	$300.00	
1101	36555 ECORSE RD	65	87,413	39.650	FOUR STAR	1571200-00	$300.00	$300.00	
1102	36555 ECORSE RD	60	87,664	39.764	CLASSIC	237	$275.00	$275.00	
1103	36555 ECORSE RD	60	87,445	39.664	CLASSIC	237	$275.00	$275.00	
1104	36555 ECORSE RD	62	87,188	39.548	CLASSIC	237	$275.00	$275.00	
1105	36555 ECORSE RD	60	87,300	39.599	CLASSIC	237	$275.00	$275.00	
1106	36555 ECORSE RD	65	87,104	39.510	CLASSIC	237	$275.00	$275.00	
1107	36555 ECORSE RD	65	86,630	39.295	CLASSIC	237	$275.00	$275.00	
1108	36555 ECORSE RD	60	87,810	39.830	CLASSIC	237	$275.00	$275.00	
1109	36555 ECORSE RD	63	87,906	39.874	CLASSIC	237	$275.00	$275.00	
1110	36555 ECORSE RD	59	87,376	39.633	CLASSIC	237	$275.00	$275.00	
1111	36555 ECORSE RD	60	87,402	39.645	CLASSIC	237	$275.00	$275.00	
1112	151 LAFAYETTE	54	86,983	39.455	CLASSIC	237	$200.00	$200.00	
1113	151 LAFAYETTE	54	87,378	39.634	CLASSIC	237	$200.00	$200.00	
1114	151 LAFAYETTE	55	87,347	39.620	CLASSIC	237	$200.00	$200.00	
1115	151 LAFAYETTE	55	87,140	39.526	CLASSIC	237	$200.00	$200.00	
1116	151 LAFAYETTE	64	87,260	39.581	CLASSIC	237	$200.00	$200.00	
1117	151 LAFAYETTE	54	87,001	39.463	CLASSIC	237	$200.00	$200.00	
1118	151 LAFAYETTE	55	87,361	39.626	CLASSIC	237	$200.00	$200.00	
1119	151 LAFAYETTE	54	86,756	39.352	CLASSIC	237	$200.00	$200.00	
1120	151 LAFAYETTE	61	86,974	39.451	CLASSIC	237	$200.00	$200.00	
1121	151 LAFAYETTE	54	86,987	39.457	CLASSIC	237	$200.00	$200.00	
1122	2599 22ND ST	54	87,371	39.631	CLASSIC	237	$200.00	$200.00	
1123	2599 22ND ST	54	87,614	39.741	CLASSIC	237	$200.00	$200.00	
1124	2599 22ND ST	54	87,757	39.806	CLASSIC	237	$200.00	$200.00	
1125	2599 22ND ST	54	87,304	39.600	CLASSIC	237	$200.00	$200.00	

	A	B	C	D	E	F	G
1126	BAR3984	6/806	25-Oct-13	4815 CABOT	SHA	SOW	25-Oct-13
1127	BAR3985	4/808	25-Oct-13	4815 CABOT	SHA	SOW	25-Oct-13
1128	BAR3986	6/806	25-Oct-13	4815 CABOT	SHA	SOW	25-Oct-13
1129	BAR3987	4/808	25-Oct-13	4815 CABOT	SHA	SOW	25-Oct-13
1130	BAR3988	6/806	25-Oct-13	4815 CABOT	SHA	SOW	25-Oct-13
1131	BAR3989	4/808	25-Oct-13	4815 CABOT	SHA	SOW	25-Oct-13
1132	BAR3498	30100/2133A	25-Oct-13	1200 E. MCNICHOLS	ME ALCOA	SOW	25-Oct-13
1133	BAR3500	78/2147A	25-Oct-13	1200 E. MCNICHOLS	ME ALCOA	SOW	25-Oct-13
1134	BAR3501	2100/2133A	25-Oct-13	1200 E. MCNICHOLS	ME ALCOA	SOW	25-Oct-13
1135	BAR3503	78/4147A	25-Oct-13	1200 E. MCNICHOLS	ME ALCOA	SOW	25-Oct-13
1136	BAR3504	3100/2133A	25-Oct-13	1200 E. MCNICHOLS	ME ALCOA	SOW	25-Oct-13
1137	BAR3506	3100/2133A	25-Oct-13	1200 E. MCNICHOLS	ME ALCOA	SOW	25-Oct-13
1138	BAR3508	3100/2133A	25-Oct-13	1200 E. MCNICHOLS	ME ALCOA	SOW	25-Oct-13
1139	BAR3509	095/17A	25-Oct-13	1200 E. MCNICHOLS	ME ALCOA	SOW	25-Oct-13
1140	BAR3511	095/17A	25-Oct-13	1200 E. MCNICHOLS	ME ALCOA	SOW	25-Oct-13
1141	BAR3853	095/17A	25-Oct-13	151 LAFAYETTE	ME ALCOA	SOW	25-Oct-13
1142	BAR3854	9934/2144	25-Oct-13	151 LAFAYETTE	ME ALCOA	SOW	25-Oct-13
1143	BAR3855	413/2137A	25-Oct-13	151 LAFAYETTE	ME ALCOA/GBAIE	SOW	25-Oct-13
1144	BAR3856	095/17A	25-Oct-13	151 LAFAYETTE	GBAIE	SOW	25-Oct-13
1145	BAR3857	9934/2144	25-Oct-13	151 LAFAYETTE	ME ALCOA/GBAIE	SOW	25-Oct-13
1146	BAR3858	413/2137A	25-Oct-13	151 LAFAYETTE	ME ALCOA	SOW	25-Oct-13
1147	BAR3859	095/17A	25-Oct-13	151 LAFAYETTE	ME ALCOA	SOW	25-Oct-13
1148	BAR3860	9934/2144	25-Oct-13	151 LAFAYETTE	ME ALCOA	SOW	25-Oct-13
1149	BAR3861	413/2137A	25-Oct-13	151 LAFAYETTE	ME ALCOA	SOW	25-Oct-13
1150	BAR3862	9934/2144	25-Oct-13	151 LAFAYETTE	ME ALCOA/ALCOA	SOW	25-Oct-13
1151	BAR3663	520/2112	28-Oct-13	26090 23 MILE RD	ABCQ/ALMA	TBAR/SOW	28-Oct-13
1152	BAR3664	33/611	28-Oct-13	26090 23 MILE RD	ABCQ	TBAR	28-Oct-13
1153	BAR3665	520/2112	28-Oct-13	26090 23 MILE RD	ABCQ/SHA	TBAR/SOW	28-Oct-13
1154	BAR3666	33/611	28-Oct-13	26090 23 MILE RD	SHA/ABCQ	SOW/TBAR	28-Oct-13
1155	BAR3667	520/2112	28-Oct-13	26090 23 MILE RD	ALMA/ABCQ	SOW/TBAR	28-Oct-13
1156	BAR3668	33/611	28-Oct-13	26090 23 MILE RD	ALMA/ABCQ	SOW/TBAR	28-Oct-13
1157	BAR3669	520/2112	28-Oct-13	26090 23 MILE RD	ABI/ABCQ	TBAR	28-Oct-13
1158	BAR3670	33/611	28-Oct-13	26090 23 MILE RD	ABI	TBAR	28-Oct-13
1159	BAR3671	520/2112	28-Oct-13	26090 23 MILE RD	ABI/ABCQ	TBAR	28-Oct-13
1160	BAR3672	520/2112	28-Oct-13	26090 23 MILE RD	ABCQ/SHA	TBAR/SOW	28-Oct-13
1161	BAR3990	1/1806	28-Oct-13	4815 CABOT	SHA	SOW	28-Oct-13
1162	BAR3991	924/808	28-Oct-13	4815 CABOT	SHA	SOW	28-Oct-13
1163	BAR3992	6/806	28-Oct-13	4815 CABOT	SHA	SOW	28-Oct-13
1164	BAR3993	924/808	28-Oct-13	4815 CABOT	SHA	SOW	28-Oct-13
1165	BAR3995	924/808	28-Oct-13	4815 CABOT	SHA	SOW	28-Oct-13
1166	BAR3997	924/808	28-Oct-13	4815 CABOT	SHA	SOW	28-Oct-13
1167	BAR4000	924/808	28-Oct-13	4815 CABOT	SHA	SOW	28-Oct-13
1168	BAR3998	095/17A	28-Oct-13	4815 CABOT	SHA	SOW	28-Oct-13
1169	BAR3994	1569/204	28-Oct-13	4815 CABOT	SHA	SOW	28-Oct-13
1170	BAR3996	1569/204	28-Oct-13	4815 CABOT	SHA	SOW	28-Oct-13

	H	I	J	K	L	M	N	O	P
1126	2599 22ND ST	54	87,186	39.547	CLASSIC	237	$200.00	$200.00	
1127	2599 22ND ST	54	86,789	39.367	CLASSIC	237	$200.00	$200.00	
1128	2599 22ND ST	53	86,455	39.215	CLASSIC	237	$200.00	$200.00	
1129	2599 22ND ST	54	87,850	39.848	CLASSIC	237	$200.00	$200.00	
1130	2599 22ND ST	54	87,297	39.597	CLASSIC	237	$200.00	$200.00	
1131	2599 22ND ST	54	87,321	39.608	CLASSIC	237	$200.00	$200.00	
1132	4815 CABOT	64	86,802	39.373	ALGER	3498-03	$225.00	$225.00	
1133	4815 CABOT	64	87,456	39.669	ALGER	3500-03	$225.00	$225.00	
1134	4815 CABOT	63	87,340	39.617	ALGER	3501-03	$225.00	$225.00	
1135	4815 CABOT	63	87,872	39.858	ALGER	3503-03	$225.00	$225.00	
1136	4815 CABOT	64	86,998	39.462	ALGER	3504-03	$225.00	$225.00	
1137	4815 CABOT	64	87,520	39.698	ALGER	3506-03	$225.00	$225.00	
1138	4815 CABOT	64	87,664	39.764	ALGER	3508-03	$225.00	$225.00	
1139	4815 CABOT	68	87,854	39.850	ALGER	3509-03	$225.00	$225.00	
1140	4815 CABOT	64	87,685	39.773	ALGER	3511-03	$225.00	$225.00	
1141	8650 MT. ELLIOTT	63	86,653	39.305	ALGER	3853-03	$285.00	$285.00	
1142	8650 MT. ELLIOTT	64	87,312	39.604	ALGER	3854-03	$285.00	$285.00	
1143	8650 MT. ELLIOTT	61	86,988	39.457	ALGER	3855-03	$285.00	$285.00	
1144	8650 MT. ELLIOTT	64	87,738	39.797	ALGER	3856-03	$285.00	$285.00	
1145	8650 MT. ELLIOTT	62	86,713	39.332	ALGER	3857-03	$285.00	$285.00	
1146	8650 MT. ELLIOTT	65	87,836	39.842	ALGER	3858-03	$285.00	$285.00	
1147	8650 MT. ELLIOTT	66	87,372	39.631	ALGER	3859-03	$285.00	$285.00	
1148	8650 MT. ELLIOTT	66	87,902	39.872	ALGER	3860-03	$285.00	$285.00	
1149	8650 MT. ELLIOTT	67	87,723	39.791	ALGER	3861-03	$285.00	$285.00	
1150	8650 MT. ELLIOTT	63	87,932	39.885	ALGER	3862-03	$285.00	$285.00	
1151	151 LAFAYETTE	63	86,863	39.400	CLASSIC	239	$200.00	$200.00	
1152	151 LAFAYETTE	55	87,310	39.603	CLASSIC	239	$200.00	$200.00	
1153	151 LAFAYETTE	54	86,876	39.406	CLASSIC	239	$200.00	$200.00	
1154	151 LAFAYETTE	55	87,471	39.676	CLASSIC	239	$200.00	$200.00	
1155	151 LAFAYETTE	62	87,595	39.732	CLASSIC	239	$200.00	$200.00	
1156	151 LAFAYETTE	57	87,685	39.773	CLASSIC	239	$200.00	$200.00	
1157	151 LAFAYETTE	54	86,914	39.424	CLASSIC	239	$200.00	$200.00	
1158	151 LAFAYETTE	54	87,759	39.807	CLASSIC	239	$200.00	$200.00	
1159	151 LAFAYETTE	54	87,614	39.741	CLASSIC	239	$200.00	$200.00	
1160	151 LAFAYETTE	54	86,757	39.352	CLASSIC	239	$200.00	$200.00	
1161	2599 22ND ST	54	87,394	39.641	CLASSIC	239	$200.00	$200.00	
1162	2599 22ND ST	54	87,913	39.877	CLASSIC	239	$200.00	$200.00	
1163	2599 22ND ST	54	87,401	39.644	CLASSIC	239	$200.00	$200.00	
1164	2599 22ND ST	54	87,872	39.858	CLASSIC	239	$200.00	$200.00	
1165	2599 22ND ST	53	86,390	39.186	CLASSIC	239	$200.00	$200.00	
1166	2599 22ND ST	54	87,761	39.808	CLASSIC	239	$200.00	$200.00	
1167	2599 22ND ST	54	87,292	39.595	CLASSIC	239	$200.00	$200.00	
1168	2599 22ND ST	54	87,173	39.541	L&R	239	$200.00	$200.00	
1169	2599 22ND ST	53	86,977	39.452	SELMAN	239	$200.00	$200.00	
1170	2599 22ND ST	54	87,634	39.750	SELMAN	239	$200.00	$200.00	

	A	B	C	D	E	F	G
1171	BAR3999	1569/204	28-Oct-13	4815 CABOT	SHA	SOW	28-Oct-13
1172	BAR3512	095/17A	28-Oct-13	1200 E. MCNICHOLS	ME ALCOA	SOW	28-Oct-13
1173	BAR3513	3100/2133A	28-Oct-13	1200 E. MCNICHOLS	ME ALCOA	SOW	28-Oct-13
1174	BAR3514	35/35A	28-Oct-13	1200 E. MCNICHOLS	ME ALCOA	SOW	28-Oct-13
1175	BAR3515	3100/2133A	28-Oct-13	1200 E. MCNICHOLS	ME ALCOA	SOW	28-Oct-13
1176	BAR3516	095/17A	28-Oct-13	1200 E. MCNICHOLS	ME ALCOA	SOW	28-Oct-13
1177	BAR3517	35/35A	28-Oct-13	1200 E. MCNICHOLS	ME ALCOA	SOW	28-Oct-13
1178	BAR3518	3100/2133A	28-Oct-13	1200 E. MCNICHOLS	ME ALCOA	SOW	28-Oct-13
1179	BAR3519	095/17A	28-Oct-13	1200 E. MCNICHOLS	ME ALCOA	SOW	28-Oct-13
1180	BAR3520	35/35A	28-Oct-13	1200 E. MCNICHOLS	ME ALCOA	SOW	28-Oct-13
1181	BAR3521	3100/2133A	28-Oct-13	1200 E. MCNICHOLS	ME ALCOA	SOW	28-Oct-13
1182	BAR3522	095/17A	28-Oct-13	1200 E. MCNICHOLS	ME ALCOA	SOW	28-Oct-13
1183	BAR3523	35/35A	28-Oct-13	1200 E. MCNICHOLS	ME ALCOA	SOW	28-Oct-13
1184	BAR3524	3100/2133A	28-Oct-13	1200 E. MCNICHOLS	ME ALCOA	SOW	28-Oct-13
1185	BAR3525	35/35A	28-Oct-13	1200 E. MCNICHOLS	ME ALCOA	SOW	28-Oct-13
1186	BAR3526LTL	095/17A	28-Oct-13	1200 E. MCNICHOLS	ME ALCOA	SOW	28-Oct-13
1187	BAR3559	80	28-Oct-13	17423 WEST JEFFERSON	ORMET	SOW	28-Oct-13
1188	BAR3562	80	28-Oct-13	17423 WEST JEFFERSON	ORMET	SOW	28-Oct-13
1189	BAR3554	595	28-Oct-13	17423 WEST JEFFERSON	ORMET/ABCQ/ME ALCOA	SOW/TBAR	28-Oct-13
1190	BAR3558	804	28-Oct-13	17423 WEST JEFFERSON	ORMET	SOW	28-Oct-13
1191	BAR3560	437	28-Oct-13	17423 WEST JEFFERSON	ORMET	SOW	28-Oct-13
1192	BAR3561	595	28-Oct-13	17423 WEST JEFFERSON	ORMET	SOW	28-Oct-13
1193	BAR3563	804	28-Oct-13	17423 WEST JEFFERSON	ORMET	SOW	28-Oct-13
1194	BAR3564	437	28-Oct-13	17423 WEST JEFFERSON	ORMET/ME ALCOA	SOW	28-Oct-13
1195	BAR3565	595	28-Oct-13	17423 WEST JEFFERSON	ME ALCOA	SOW	28-Oct-13
1196	BAR4898LTL	9934/2144	28-Oct-13	151 LAFAYETTE	ALCOA	SOW	28-Oct-13
1197	BAR3863	9934/2144	28-Oct-13	151 LAFAYETTE	ALCOA	SOW	28-Oct-13
1198	BAR3864	711/2138A	28-Oct-13	151 LAFAYETTE	ALCOA	SOW	28-Oct-13
1199	BAR3865	634/2139	28-Oct-13	151 LAFAYETTE	ALCOA	SOW	28-Oct-13
1200	BAR3866	711/2138A	28-Oct-13	151 LAFAYETTE	ALCOA	SOW	28-Oct-13
1201	BAR3867	9934/2144	28-Oct-13	151 LAFAYETTE	ALCOA	SOW	28-Oct-13
1202	BAR3868	634/2139	28-Oct-13	151 LAFAYETTE	ALCOA	SOW	28-Oct-13
1203	BAR3869	711/2138A	28-Oct-13	151 LAFAYETTE	ALCOA	SOW	28-Oct-13
1204	BAR3870	9934/2144	28-Oct-13	151 LAFAYETTE	ALCOA	SOW	28-Oct-13
1205	BAR3871	634/2139	28-Oct-13	151 LAFAYETTE	ALCOA	SOW	28-Oct-13
1206	BAR3872	711/2138A	28-Oct-13	151 LAFAYETTE	ALCOA	SOW	28-Oct-13
1207	BAR3779	007/007A	28-Oct-13	20495 PENNSYLVANIA RD	ALCOA	SOW	28-Oct-13
1208	BAR3781	007/007A	28-Oct-13	20495 PENNSYLVANIA RD	ALCOA/ME ALCOA	SOW	28-Oct-13
1209	BAR3780	1012/81145	28-Oct-13	20495 PENNSYLVANIA RD	ALCOA	SOW	28-Oct-13
1210	BAR3782	1027/1027A	28-Oct-13	20495 PENNSYLVANIA RD	ME ALCOA	SOW	28-Oct-13
1211	BAR3783	007/007A	28-Oct-13	20495 PENNSYLVANIA RD	ME ALCOA	SOW	28-Oct-13
1212	BAR3778	913/8832	28-Oct-13	20495 PENNSYLVANIA RD	ME ALCOA/ALCOA	SOW	28-Oct-13
1213	BAR3784	593/8818	28-Oct-13	20495 PENNSYLVANIA RD	ME ALCOA	SOW	28-Oct-13
1214	BAR3673	520/2112	29-Oct-13	26090 23 MILE RD	SHA	SOW	29-Oct-13
1215	BAR3674	33/611	29-Oct-13	26090 23 MILE RD	SHA	SOW	29-Oct-13

	H	I	J	K	L	M	N	O	P
1171	2599 22ND ST	54	87,358	39.625	SELMAN	239	$200.00	$200.00	
1172	4815 CABOT	65	87,932	39.885	LAND R	3512-03	$225.00	$225.00	
1173	4815 CABOT	65	87,585	39.728	CHIEFS	3513-03	$225.00	$225.00	
1174	4815 CABOT	65	86,972	39.450	FULL CIRCLE	3514-03	$225.00	$225.00	
1175	4815 CABOT	66	87,628	39.747	CHIEFS	3515-03	$225.00	$225.00	
1176	4815 CABOT	66	87,895	39.869	LAND R	3516-03	$225.00	$225.00	
1177	4815 CABOT	63	87,731	39.794	FULL CIRCLE	3517-03	$225.00	$225.00	
1178	4815 CABOT	67	87,430	39.658	CHIEFS	3518-03	$225.00	$225.00	
1179	4815 CABOT	67	86,685	39.320	LAND R	3519-03	$225.00	$225.00	
1180	4815 CABOT	65	86,916	39.424	FULL CIRCLE	3520-03	$225.00	$225.00	
1181	4815 CABOT	64	87,647	39.756	CHIEFS	3521-03	$225.00	$225.00	
1182	4815 CABOT	63	86,793	39.369	LAND R	3522-03	$225.00	$225.00	
1183	4815 CABOT	66	87,153	39.532	FULL CIRCLE	3523-03	$225.00	$225.00	
1184	4815 CABOT	63	86,722	39.336	CHIEFS	3524-03	$225.00	$225.00	
1185	4815 CABOT	65	86,691	39.322	FULL CIRCLE	3525-03	$225.00	$225.00	
1186	4815 CABOT	36	47,496	21.544	L&R	3526-03	$225.00	$225.00	
1187	36555 ECORSE RD	62	87,416	39.651	CLASSIC	239	$275.00	$275.00	
1188	36555 ECORSE RD	61	87,356	39.624	CLASSIC	239	$275.00	$275.00	
1189	36555 ECORSE RD	59	87,455	39.669	SELMAN	239	$275.00	$275.00	
1190	36555 ECORSE RD	60	87,004	39.464	SELMAN	239	$275.00	$275.00	
1191	36555 ECORSE RD	62	86,989	39.458	SELMAN	239	$275.00	$275.00	
1192	36555 ECORSE RD	62	87,535	39.705	SELMAN	239	$275.00	$275.00	
1193	36555 ECORSE RD	60	87,783	39.818	SELMAN	239	$275.00	$275.00	
1194	36555 ECORSE RD	63	87,215	39.560	SELMAN	239	$275.00	$275.00	
1195	36555 ECORSE RD	64	87,361	39.626	SELMAN	239	$275.00	$275.00	
1196	2599 22ND ST	17	23,856	10.821	CHAMPION	004898-03	$285.00	$285.00	
1197	8650 MT. ELLIOTT	61	87,670	39.766	CHAMPION	3863-03	$285.00	$285.00	
1198	8650 MT. ELLIOTT	61	87,580	39.726	ALGER	3864-03	$285.00	$285.00	
1199	8650 MT. ELLIOTT	60	87,462	39.672	CHAMPION	3865-03	$285.00	$285.00	
1200	8650 MT. ELLIOTT	62	86,710	39.331	ALGER	3866-03	$285.00	$285.00	
1201	8650 MT. ELLIOTT	62	87,004	39.464	CHAMPION	3867-03	$285.00	$285.00	
1202	8650 MT. ELLIOTT	62	87,215	39.560	CHAMPION	3868-03	$285.00	$285.00	
1203	8650 MT. ELLIOTT	60	87,300	39.599	ALGER	3869-03	$285.00	$285.00	
1204	8650 MT. ELLIOTT	61	87,381	39.635	CHAMPION	3870-03	$285.00	$285.00	
1205	8650 MT. ELLIOTT	62	87,732	39.795	CHAMPION	3871-03	$285.00	$285.00	
1206	8650 MT. ELLIOTT	61	86,879	39.408	ALGER	3872-03	$285.00	$285.00	
1207	36555 ECORSE RD	61	86,722	39.336	FOUR STAR	1571366-00	$300.00	$300.00	
1208	36555 ECORSE RD	64	87,884	39.864	FOUR STAR	1571367-00	$300.00	$300.00	
1209	36555 ECORSE RD	62	87,764	39.809	FOUR STAR	1571368-00	$300.00	$300.00	
1210	36555 ECORSE RD	64	87,158	39.534	FOUR STAR	1571369-00	$300.00	$300.00	
1211	36555 ECORSE RD	62	87,552	39.713	FOUR STAR	1571370-00	$300.00	$300.00	
1212	36555 ECORSE RD	63	87,222	39.563	FOUR STAR	1571371-00	$300.00	$300.00	
1213	36555 ECORSE RD	64	86,851	39.395	FOUR STAR	1571373-00	$300.00	$300.00	
1214	151 LAFAYETTE	53	86,803	39.373	CLASSIC	239	$200.00	$200.00	
1215	151 LAFAYETTE	54	87,605	39.737	CLASSIC	239	$200.00	$200.00	

	A	B	C	D	E	F	G
1216	BAR3675	520/2112	29-Oct-13	26090 23 MILE RD	SHA	SOW	29-Oct-13
1217	BAR3676	520/2112	29-Oct-13	26090 23 MILE RD	SHA	SOW	29-Oct-13
1218	BAR3677	33/611	29-Oct-13	26090 23 MILE RD	SHA	SOW	29-Oct-13
1219	BAR3678	520/2112	29-Oct-13	26090 23 MILE RD	SHA	SOW	29-Oct-13
1220	BAR3679	33/611	29-Oct-13	26090 23 MILE RD	SHA/ABI	SOW/TBAR	29-Oct-13
1221	BAR3680	520/2112	29-Oct-13	26090 23 MILE RD	SHA/ABI/ABCQ	SOW/TBAR	29-Oct-13
1222	BAR3681	33/611	29-Oct-13	26090 23 MILE RD	SHA	SOW	29-Oct-13
1223	BAR3682	520/2112	29-Oct-13	26090 23 MILE RD	SHA	SOW	29-Oct-13
1224	BAR4001	108/0080	29-Oct-13	4815 CABOT	SHA	SOW	29-Oct-13
1225	BAR4002	924/808	29-Oct-13	4815 CABOT	SHA	SOW	29-Oct-13
1226	BAR4004	119/5428	29-Oct-13	4815 CABOT	SHA	SOW	29-Oct-13
1227	BAR4006	108/0080	29-Oct-13	4815 CABOT	SHA	SOW	29-Oct-13
1228	BAR4007	924/808	29-Oct-13	4815 CABOT	SHA	SOW	29-Oct-13
1229	BAR4008	119/5428	29-Oct-13	4815 CABOT	SHA	SOW	29-Oct-13
1230	BAR4010	108/0080	29-Oct-13	4815 CABOT	SHA/ME ALCOA	SOW	29-Oct-13
1231	BAR4011	119/5428	29-Oct-13	4815 CABOT	ME ALCOA	SOW	29-Oct-13
1232	BAR4012	924/808	29-Oct-13	4815 CABOT	ME ALCOA	SOW	29-Oct-13
1233	BAR4013	924/808	29-Oct-13	4815 CABOT	ME ALCOA	SOW	29-Oct-13
1234	BAR4014	093/093A/B	29-Oct-13	4815 CABOT	ME ALCOA	SOW	29-Oct-13
1235	BAR4015	108//0080	29-Oct-13	4815 CABOT	ME ALCOA	SOW	29-Oct-13
1236	BAR4003	1569/204	29-Oct-13	4815 CABOT	SHA	SOW	29-Oct-13
1237	BAR4005	1569/204	29-Oct-13	4815 CABOT	SHA	SOW	29-Oct-13
1238	BAR4009	1569/204	29-Oct-13	4815 CABOT	SHA	SOW	29-Oct-13
1239	BAR3578	095/17A	29-Oct-13	12850 E. NINE MILE RD	ALCOA	SOW	29-Oct-13
1240	BAR3579	095/17A	29-Oct-13	12850 E. NINE MILE RD	ALCOA	SOW	29-Oct-13
1241	BAR3580	095/17A	29-Oct-13	12850 E. NINE MILE RD	ALCOA	SOW	29-Oct-13
1242	BAR3581	095/17A	29-Oct-13	12850 E. NINE MILE RD	ALCOA	SOW	29-Oct-13
1243	BAR3582	634/2139	29-Oct-13	12850 E. NINE MILE RD	ALCOA	SOW	29-Oct-13
1244	BAR3583	095/17A	29-Oct-13	12850 E. NINE MILE RD	ALCOA	SOW	29-Oct-13
1245	BAR3873	9934/2144	29-Oct-13	151 LAFAYETTE	ALCOA	SOW	29-Oct-13
1246	BAR3874	711/2138A	29-Oct-13	151 LAFAYETTE	ALCOA	SOW	29-Oct-13
1247	BAR3875	3100/2133A	29-Oct-13	151 LAFAYETTE	ALCOA	SOW	29-Oct-13
1248	BAR3876	9934/2144	29-Oct-13	151 LAFAYETTE	ALCOA	SOW	29-Oct-13
1249	BAR3877	711/2138A	29-Oct-13	151 LAFAYETTE	ALCOA	SOW	29-Oct-13
1250	BAR3878	3100/2133A	29-Oct-13	151 LAFAYETTE	ALCOA	SOW	29-Oct-13
1251	BAR3879	9934/2144	29-Oct-13	151 LAFAYETTE	ALCOA	SOW	29-Oct-13
1252	BAR3880	711/2138A	29-Oct-13	151 LAFAYETTE	ALCOA	SOW	29-Oct-13
1253	BAR3881	3100/2133A	29-Oct-13	151 LAFAYETTE	ALCOA	SOW	29-Oct-13
1254	BAR3882	9934/2144	29-Oct-13	151 LAFAYETTE	ALCOA	SOW	29-Oct-13
1255	BAR3566	804	29-Oct-13	17423 WEST JEFFERSON	ALCOA	SOW	29-Oct-13
1256	BAR3567	437	29-Oct-13	17423 WEST JEFFERSON	ALCOA	SOW	29-Oct-13
1257	BAR3568	595	29-Oct-13	17423 WEST JEFFERSON	ORMET/MEAL	SOW	29-Oct-13
1258	BAR3569	804	29-Oct-13	17423 WEST JEFFERSON	ORMET	SOW	29-Oct-13
1259	BAR3570	437	29-Oct-13	17423 WEST JEFFERSON	ORMET/ALCOA	SOW	29-Oct-13
1260	BAR3571	595	29-Oct-13	17423 WEST JEFFERSON	ORMET/ALCOA	SOW	29-Oct-13

	H	I	J	K	L	M	N	O	P
1216	151 LAFAYETTE	53	86,640	39.299	CLASSIC	239	$200.00	$200.00	
1217	151 LAFAYETTE	55	87,466	39.674	CLASSIC	239	$200.00	$200.00	
1218	151 LAFAYETTE	54	87,688	39.775	CLASSIC	239	$200.00	$200.00	
1219	151 LAFAYETTE	53	86,612	39.287	CLASSIC	239	$200.00	$200.00	
1220	151 LAFAYETTE	54	87,677	39.770	CLASSIC	239	$200.00	$200.00	
1221	151 LAFAYETTE	55	87,987	39.910	CLASSIC	239	$200.00	$200.00	
1222	151 LAFAYETTE	53	86,452	39.214	CLASSIC	239	$200.00	$200.00	
1223	151 LAFAYETTE	53	86,497	39.234	CLASSIC	239	$200.00	$200.00	
1224	2599 22ND ST	54	87,149	39.530	CLASSIC	239	$200.00	$200.00	
1225	2599 22ND ST	54	87,739	39.798	CLASSIC	239	$200.00	$200.00	
1226	2599 22ND ST	54	87,858	39.852	CLASSIC	239	$200.00	$200.00	
1227	2599 22ND ST	54	87,398	39.643	CLASSIC	239	$200.00	$200.00	
1228	2599 22ND ST	54	87,563	39.718	CLASSIC	239	$200.00	$200.00	
1229	2599 22ND ST	53	86,419	39.199	CLASSIC	239	$200.00	$200.00	
1230	2599 22ND ST	62	87,113	39.514	CLASSIC	239	$200.00	$200.00	
1231	2599 22ND ST	65	87,500	39.689	CLASSIC	239	$200.00	$200.00	
1232	2599 22ND ST	64	87,265	39.583	CLASSIC	239	$200.00	$200.00	
1233	2599 22ND ST	64	86,984	39.455	CLASSIC	239	$200.00	$200.00	
1234	2599 22ND ST	64	87,479	39.680	CLASSIC	239	$200.00	$200.00	
1235	2599 22ND ST	64	87,354	39.623	CLASSIC	239	$200.00	$200.00	
1236	2599 22ND ST	54	87,153	39.532	SELMAN	239	$200.00	$200.00	
1237	2599 22ND ST	54	86,514	39.242	SELMAN	239	$200.00	$200.00	
1238	2599 22ND ST	54	87,484	39.682	SELMAN	239	$200.00	$200.00	
1239	8650 MT. ELLIOTT	64	87,472	39.677	L&R TRUCKING	3578-03	$225.00	$225.00	
1240	8650 MT. ELLIOTT	64	87,045	39.483	L&R TRUCKING	3579-03	$225.00	$225.00	
1241	8650 MT. ELLIOTT	62	86,857	39.398	L&R TRUCKING	3580-03	$225.00	$225.00	
1242	8650 MT. ELLIOTT	62	87,984	39.909	L&R TRUCKING	3581-03	$225.00	$225.00	
1243	8650 MT. ELLIOTT	62	87,733	39.795	CHAMPION	3582-03	$225.00	$225.00	
1244	8650 MT. ELLIOTT	62	86,986	39.456	L&R TRUCKING	3583-03	$225.00	$225.00	
1245	1200 E. MCNICHOLS AVE	44	63,197	28.666	CHAMPION	3873-03	$260.00	$260.00	
1246	1200 E. MCNICHOLS AVE	63	87,903	39.872	ALGER	3874-03	$260.00	$260.00	
1247	1200 E. MCNICHOLS AVE	62	86,730	39.340	CHIEFS	3875-03	$260.00	$260.00	
1248	1200 E. MCNICHOLS AVE	62	86,851	39.395	CHAMPION	3876-03	$260.00	$260.00	
1249	1200 E. MCNICHOLS AVE	58	86,786	39.366	ALGER	3877-03	$260.00	$260.00	
1250	1200 E. MCNICHOLS AVE	59	87,054	39.487	CHIEFS	3878-03	$260.00	$260.00	
1251	1200 E. MCNICHOLS AVE	61	87,801	39.826	CHAMPION	3879-03	$260.00	$260.00	
1252	1200 E. MCNICHOLS AVE	61	87,101	39.508	ALGER	3880-03	$260.00	$260.00	
1253	1200 E. MCNICHOLS AVE	63	87,983	39.908	CHIEFS	3881-03	$260.00	$260.00	
1254	1200 E. MCNICHOLS AVE	61	87,399	39.644	CHAMPION	3882-03	$260.00	$260.00	
1255	36555 ECORSE RD	64	87,297	39.597	SELMAN	239	$275.00	$275.00	
1256	36555 ECORSE RD	63	86,862	39.400	SELMAN	239	$275.00	$275.00	
1257	36555 ECORSE RD	61	87,315	39.605	SELMAN	239	$275.00	$275.00	
1258	36555 ECORSE RD	60	87,307	39.602	SELMAN	239	$275.00	$275.00	
1259	36555 ECORSE RD	62	87,605	39.737	SELMAN	239	$275.00	$275.00	
1260	36555 ECORSE RD	60	87,950	39.893	SELMAN	239	$275.00	$275.00	

	A	B	C	D	E	F	G
1261	BAR3967	093/9942	29-Oct-13	7900 N. HAGGERTY	ABCQ	TBAR	29-Oct-13
1262	BAR3968	401/401A	29-Oct-13	7900 N. HAGGERTY	ABCQ	TBAR	29-Oct-13
1263	BAR3969	1569/204	29-Oct-13	7900 N. HAGGERTY	ABCQ	TBAR	29-Oct-13
1264	BAR3970LTL	L20/4593	29-Oct-13	7900 N. HAGGERTY	ABCQ	TBAR	29-Oct-13
1265	BAR3785	593/8818	29-Oct-13	20495 PENNSYLVANIA RD	ALCOA	SOW	29-Oct-13
1266	BAR3786	1012	29-Oct-13	20495 PENNSYLVANIA RD	ALCOA	SOW	29-Oct-13
1267	BAR3789	007/007A	29-Oct-13	20495 PENNSYLVANIA RD	ALCOA	SOW	29-Oct-13
1268	BAR3788	1012/81145	29-Oct-13	20495 PENNSYLVANIA RD	ALCOA	SOW	29-Oct-13
1269	BAR3793	607/607A	29-Oct-13	20495 PENNSYLVANIA RD	ALCOA	SOW	29-Oct-13
1270	BAR3792	1012/81145	29-Oct-13	20495 PENNSYLVANIA RD	ALCOA	SOW	29-Oct-13
1271	BAR3794	913/8832	29-Oct-13	20495 PENNSYLVANIA RD	ALCOA	SOW	29-Oct-13
1272	BAR3787	913/8832	29-Oct-13	20495 PENNSYLVANIA RD	ALCOA	SOW	29-Oct-13
1273	BAR3791	B348/8807	29-Oct-13	20495 PENNSYLVANIA RD	ALCOA	SOW	29-Oct-13
1274	BAR3790	913/8832	29-Oct-13	20495 PENNSYLVANIA RD	ALCOA	SOW	29-Oct-13
1275	BAR3796	1012/81145	29-Oct-13	20495 PENNSYLVANIA RD	ME ALCOA/ABI	SOW/TBAR	29-Oct-13
1276	BAR3797	007/007A	29-Oct-13	20495 PENNSYLVANIA RD	ABI	TBAR	29-Oct-13
1277	BAR3795	739/8821	29-Oct-13	20495 PENNSYLVANIA RD	ME ALCOA	SOW	29-Oct-13
1278	BAR3798	739/8821	29-Oct-13	20495 PENNSYLVANIA RD	ABI	TBAR	29-Oct-13
1279	BAR3683	4/4B	30-Oct-13	26090 23 MILE RD	SHA/ALMA	SOW	30-Oct-13
1280	BAR3684	520/2112	30-Oct-13	26090 23 MILE RD	ALMA	SOW	30-Oct-13
1281	BAR3685	520/2112	30-Oct-13	26090 23 MILE RD	ALMA/ABI/ABCQ	SOW/TBAR	30-Oct-13
1282	BAR3686	4/4B	30-Oct-13	26090 23 MILE RD	ABI/ABCQ	TBAR	30-Oct-13
1283	BAR3687	520/2112	30-Oct-13	26090 23 MILE RD	ABCQ/SHA	TBAR/SOW	30-Oct-13
1284	BAR3688	4/4B	30-Oct-13	26090 23 MILE RD	SHA	SOW	30-Oct-13
1285	BAR3689	520/2112	30-Oct-13	26090 23 MILE RD	SHA	SOW	30-Oct-13
1286	BAR3690	4/4B	30-Oct-13	26090 23 MILE RD	SHA	SOW	30-Oct-13
1287	BAR3691	4/4B	30-Oct-13	26090 23 MILE RD	SHA	SOW	30-Oct-13
1288	BAR3692	520	30-Oct-13	26090 23 MILE RD	SHA	SOW	30-Oct-13
1289	BAR4016	119/5428	30-Oct-13	4815 CABOT	ME ALCOA	SOW	30-Oct-13
1290	BAR4017	108/0080	30-Oct-13	4815 CABOT	ME ALCOA	SOW	30-Oct-13
1291	BAR4018	108/0080	30-Oct-13	4815 CABOT	ME ALCOA	SOW	30-Oct-13
1292	BAR4019	924/808	30-Oct-13	4815 CABOT	ME ALCOA	SOW	30-Oct-13
1293	BAR4020	108/0080	30-Oct-13	4815 CABOT	ME ALCOA	SOW	30-Oct-13
1294	BAR4021	1569/204	30-Oct-13	4815 CABOT	ME ALCOA	SOW	30-Oct-13
1295	BAR4022	924/808	30-Oct-13	4815 CABOT	ME ALCOA	SOW	30-Oct-13
1296	BAR4023	119/5428	30-Oct-13	4815 CABOT	ORMET/ME ALCOA	SOW	30-Oct-13
1297	BAR4024	119/5428	30-Oct-13	4815 CABOT	ORMET/ME ALCOA	SOW	30-Oct-13
1298	BAR4025	1569/204	30-Oct-13	4815 CABOT	ME ALCOA	SOW	30-Oct-13
1299	BAR4026	108/0080	30-Oct-13	4815 CABOT	ME ALCOA	SOW	30-Oct-13
1300	BAR4027	119/5428	30-Oct-13	4815 CABOT	ME ALCOA	SOW	30-Oct-13
1301	BAR4028	093/AB	30-Oct-13	4815 CABOT	ME ALCOA	SOW	30-Oct-13
1302	BAR4029	093/AB	30-Oct-13	4815 CABOT	ME ALCOA	SOW	30-Oct-13
1303	BAR4030	924/808	30-Oct-13	4815 CABOT	ME ALCOA/ORMET	SOW	30-Oct-13
1304	BAR3584	095/17A	30-Oct-13	12850 E. NINE MILE RD	ALCOA	SOW	30-Oct-13
1305	BAR3585	095/17A	30-Oct-13	12850 E. NINE MILE RD	ALCOA	SOW	30-Oct-13

	H	I	J	K	L	M	N	O	P
1261	21140 TROLLEY	55	87,208	39.557	CLASSIC	239	$275.00	$275.00	
1262	21140 TROLLEY	55	87,483	39.682	CLASSIC	239	$275.00	$275.00	
1263	21140 TROLLEY	55	87,092	39.504	CLASSIC	239	$275.00	$275.00	
1264	21140 TROLLEY	10	15,856	7.192	CLASSIC	239	$275.00	$275.00	
1265	36555 ECORSE RD	64	87,349	39.621	FOUR STAR	1571372-00	$300.00	$300.00	
1266	36555 ECORSE RD	65	86,889	39.412	FOUR STAR	1571591-00	$300.00	$300.00	
1267	36555 ECORSE RD	62	87,576	39.724	FOUR STAR	1571592-00	$300.00	$300.00	
1268	36555 ECORSE RD	65	86,918	39.425	FOUR STAR	1571593-00	$300.00	$300.00	
1269	36555 ECORSE RD	64	87,739	39.798	FOUR STAR	1571594-00	$300.00	$300.00	
1270	36555 ECORSE RD	66	87,658	39.761	FOUR STAR	1571595-00	$300.00	$300.00	
1271	36555 ECORSE RD	63	87,062	39.491	FOUR STAR	1571598-00	$300.00	$300.00	
1272	36555 ECORSE RD	64	87,255	39.578	FOUR STAR	1571599-00	$300.00	$300.00	
1273	36555 ECORSE RD	65	87,615	39.742	FOUR STAR	1571600-00	$300.00	$300.00	
1274	36555 ECORSE RD	65	87,982	39.908	FOUR STAR	1571601-00	$300.00	$300.00	
1275	36555 ECORSE RD	65	87,014	39.469	FOUR STAR	1571596-00	$300.00	$300.00	
1276	36555 ECORSE RD	54	87,726	39.792	FOUR STAR	1571597-00	$300.00	$300.00	
1277	36555 ECORSE RD	65	87,776	39.815	FOUR STAR	1571602-00	$300.00	$300.00	
1278	36555 ECORSE RD	54	87,668	39.766	FOUR STAR	1571603-00	$300.00	$300.00	
1279	151 LAFAYETTE	55	86,850	39.395	CLASSIC	239	$200.00	$200.00	
1280	151 LAFAYETTE	63	86,989	39.458	CLASSIC	239	$200.00	$200.00	
1281	151 LAFAYETTE	57	87,933	39.886	CLASSIC	239	$200.00	$200.00	
1282	151 LAFAYETTE	54	86,585	39.274	CLASSIC	239	$200.00	$200.00	
1283	151 LAFAYETTE	54	87,453	39.668	CLASSIC	239	$200.00	$200.00	
1284	151 LAFAYETTE	53	87,982	39.908	CLASSIC	239	$200.00	$200.00	
1285	151 LAFAYETTE	54	87,927	39.883	CLASSIC	239	$200.00	$200.00	
1286	151 LAFAYETTE	53	86,570	39.268	CLASSIC	239	$200.00	$200.00	
1287	151 LAFAYETTE	54	87,896	39.869	CLASSIC	239	$200.00	$200.00	
1288	151 LAFAYETTE	53	86,420	39.199	CLASSIC	239	$200.00	$200.00	
1289	2599 22ND ST	63	87,258	39.580	CLASSIC	239	$200.00	$200.00	
1290	2599 22ND ST	66	87,687	39.774	CLASSIC	239	$200.00	$200.00	
1291	2599 22ND ST	64	87,244	39.573	CLASSIC	239	$200.00	$200.00	
1292	2599 22ND ST	65	87,965	39.900	CLASSIC	239	$200.00	$200.00	
1293	2599 22ND ST	62	86,718	39.335	CLASSIC	239	$200.00	$200.00	
1294	2599 22ND ST	64	87,450	39.667	CLASSIC	239	$200.00	$200.00	
1295	2599 22ND ST	65	87,405	39.646	CLASSIC	239	$200.00	$200.00	
1296	2599 22ND ST	61	86,829	39.385	CLASSIC	239	$200.00	$200.00	
1297	2599 22ND ST	62	87,700	39.780	CLASSIC	239	$200.00	$200.00	
1298	2599 22ND ST	65	87,440	39.662	CLASSIC	239	$200.00	$200.00	
1299	2599 22ND ST	64	86,625	39.292	CLASSIC	239	$200.00	$200.00	
1300	2599 22ND ST	65	86,657	39.307	CLASSIC	239	$200.00	$200.00	
1301	2599 22ND ST	64	86,640	39.299	CLASSIC	239	$200.00	$200.00	
1302	2599 22ND ST	65	87,938	39.888	CLASSIC	239	$200.00	$200.00	
1303	2599 22ND ST	65	87,677	39.770	CLASSIC	239	$200.00	$200.00	
1304	8650 MT. ELLIOTT	62	86,884	39.410	L&R TRUCKING	3584-03	$225.00	$225.00	
1305	8650 MT. ELLIOTT	62	87,282	39.590	L&R TRUCKING	3585-03	$225.00	$225.00	

	A	B	C	D	E	F	G
1306	BAR3586	095/17A	30-Oct-13	12850 E. NINE MILE RD	ALCOA	SOW	30-Oct-13
1307	BAR3587	095/17A	30-Oct-13	12850 E. NINE MILE RD	ALCOA	SOW	30-Oct-13
1308	BAR3588	095/17A	30-Oct-13	12850 E. NINE MILE RD	ALCOA	SOW	30-Oct-13
1309	BAR3589	095/17A	30-Oct-13	12850 E. NINE MILE RD	ALCOA	SOW	30-Oct-13
1310	BAR3883	711/2138A	30-Oct-13	151 LAFAYETTE	ALCOA	SOW	30-Oct-13
1311	BAR3884	9934/2144	30-Oct-13	151 LAFAYETTE	ALCOA	SOW	30-Oct-13
1312	BAR3885	3100/2133A	30-Oct-13	151 LAFAYETTE	ALCOA	SOW	30-Oct-13
1313	BAR3886	711/2138A	30-Oct-13	151 LAFAYETTE	ALCOA	SOW	30-Oct-13
1314	BAR3887	9934/2144	30-Oct-13	151 LAFAYETTE	ALCOA	SOW/MASSENA EAST SOW	30-Oct-13
1315	BAR3888	3100/2133A	30-Oct-13	151 LAFAYETTE	ALCOA	MASSENA EAST SOW	30-Oct-13
1316	BAR3889	711/2138	30-Oct-13	151 LAFAYETTE	ALCOA	MASSENA EAST SOW	30-Oct-13
1317	BAR3890	9934/2144	30-Oct-13	151 LAFAYETTE	ALCOA	MASSENA EAST SOW	30-Oct-13
1318	BAR3891	711/2138A	30-Oct-13	151 LAFAYETTE	ALCOA	MASSENA EAST SOW	30-Oct-13
1319	BAR3892	9934/2144	30-Oct-13	151 LAFAYETTE	ALCOA	MASSENA EAST SOW	30-Oct-13
1320	BAR4078	35/35A	30-Oct-13	2599 22ND ST	ME ALCOA	SOW	30-Oct-13
1321	BAR4079	35/35A	30-Oct-13	2599 22ND ST	ME ALCOA	SOW	30-Oct-13
1322	BAR4080	3100/2133A	30-Oct-13	2599 22ND ST	ME ALCOA	SOW	30-Oct-13
1323	BAR4081	35/35A	30-Oct-13	2599 22ND ST	ME ALCOA	SOW	30-Oct-13
1324	BAR4082	3100/2133A	30-Oct-13	2599 22ND ST	ME ALCOA	SOW	30-Oct-13
1325	BAR4083	35/35A	30-Oct-13	2599 22ND ST	ME ALCOA	SOW	30-Oct-13
1326	BAR3572	611A/B	30-Oct-13	17423 WEST JEFFERSON	ABCQ/ORMET	TBAR/SOW	30-Oct-13
1327	BAR3573	611A/B	30-Oct-13	17423 WEST JEFFERSON	ABCQ/ME ALCOA	TBAR/SOW	30-Oct-13
1328	BAR3574	595	30-Oct-13	17423 WEST JEFFERSON	ORMET/ME ALCOA	SOW	30-Oct-13
1329	BAR3575	611A/B	30-Oct-13	17423 WEST JEFFERSON	ORMET	SOW	30-Oct-13
1330	BAR3576	595	30-Oct-13	17423 WEST JEFFERSON	ORMET	SOW	30-Oct-13
1331	BAR3577LTL	595	30-Oct-13	17423 WEST JEFFERSON	ORMET/SHA	SOW	30-Oct-13
1332	BAR3799	913/8832	30-Oct-13	20495 PENNSYLVANIA RD	ABI	TBAR	30-Oct-13
1333	BAR3801	007/007A	30-Oct-13	20495 PENNSYLVANIA RD	ABI	TBAR	30-Oct-13
1334	BAR3802	357/357A	30-Oct-13	20495 PENNSYLVANIA RD	ABI	TBAR	30-Oct-13
1335	BAR3806	007/007A	30-Oct-13	20495 PENNSYLVANIA RD	ABI	TBAR	30-Oct-13
1336	BAR3800	913/8832	30-Oct-13	20495 PENNSYLVANIA RD	ABI	TBAR	30-Oct-13
1337	BAR3807	357/357A	30-Oct-13	20495 PENNSYLVANIA RD	ABI	TBAR	30-Oct-13
1338	BAR3805	739/8830	30-Oct-13	20495 PENNSYLVANIA RD	ABI	TBAR	30-Oct-13
1339	BAR3809	739/8830	30-Oct-13	20495 PENNSYLVANIA RD	ABCQ	TBAR	30-Oct-13
1340	BAR3804	B348/8807	30-Oct-13	20495 PENNSYLVANIA RD	ABI	TBAR	30-Oct-13
1341	BAR3808	B348/8807	30-Oct-13	20495 PENNSYLVANIA RD	ABI/ABCQ	TBAR	30-Oct-13
1342	BAR3803	913/8832	30-Oct-13	20495 PENNSYLVANIA RD	ABI	TBAR	30-Oct-13
1343	BAR3693	093/9941AB	31-Oct-13	26090 23 MILE RD	SHA	SOW	31-Oct-13
1344	BAR3694	093/9941AB	31-Oct-13	26090 23 MILE RD	SHA	SOW	31-Oct-13
1345	BAR3695	520/2112	31-Oct-13	26090 23 MILE RD	SHA	SOW	31-Oct-13
1346	BAR3696	4/4B	31-Oct-13	26090 23 MILE RD	SHA	SOW	31-Oct-13
1347	BAR3697	4/4B	31-Oct-13	26090 23 MILE RD	SHA/ABI	SOW/TBAR	31-Oct-13
1348	BAR3698	520/2112	31-Oct-13	26090 23 MILE RD	ABI	TBAR	31-Oct-13
1349	BAR3699	520/2112	31-Oct-13	26090 23 MILE RD	ABI/SHA	TBAR/SOW	31-Oct-13
1350	BAR3700	093/9941A/B	31-Oct-13	26090 23 MILE RD	ABCQ/SHA	TBAR/SOW	31-Oct-13

	H	I	J	K	L	M	N	O	P
1306	8650 MT. ELLIOTT	63	87,876	39.860	L&R TRUCKING	3586-03	$225.00	$225.00	
1307	8650 MT. ELLIOTT	62	86,880	39.408	L&R TRUCKING	3587-03	$225.00	$225.00	
1308	8650 MT. ELLIOTT	63	87,902	39.872	L&R TRUCKING	3588-03	$225.00	$225.00	
1309	8650 MT. ELLIOTT	63	87,596	39.733	L&R TRUCKING	3589-03	$225.00	$225.00	
1310	1200 E. MCNICHOLS AVE	62	87,350	39.621	ALGER	3883	$260.00	$260.00	
1311	1200 E. MCNICHOLS AVE	62	86,778	39.362	CHAMPION	3884	$260.00	$260.00	
1312	1200 E. MCNICHOLS AVE	62	87,219	39.562	CHIEFS	3885	$260.00	$260.00	
1313	1200 E. MCNICHOLS AVE	62	85,980	39.000	ALGER	3886	$260.00	$260.00	
1314	1200 E. MCNICHOLS AVE	63	87,962	39.899	CHAMPION	3887	$260.00	$260.00	
1315	1200 E. MCNICHOLS AVE	65	86,800	39.372	CHIEFS	3888	$260.00	$260.00	
1316	1200 E. MCNICHOLS AVE	64	87,743	39.800	ALGER	3889	$260.00	$260.00	
1317	1200 E. MCNICHOLS AVE	63	87,080	39.499	CHAMPION	3890	$260.00	$260.00	
1318	1200 E. MCNICHOLS AVE	65	87,236	39.570	ALGER	3891	$260.00	$260.00	
1319	1200 E. MCNICHOLS AVE	65	87,542	39.708	CHAMPION	3892	$260.00	$260.00	
1320	36555 ECORSE RD	65	87,990	39.912	FULL CIRCLE	4078-03	$260.00	$260.00	
1321	36555 ECORSE RD	65	87,574	39.723	FULL CIRCLE	4079-03	$260.00	$260.00	
1322	36555 ECORSE RD	64	87,998	39.915	CHIEFS	4080-03	$260.00	$260.00	
1323	36555 ECORSE RD	65	87,974	39.904	FULL CIRCLE	4081-03	$260.00	$260.00	
1324	36555 ECORSE RD	64	87,301	39.599	CHIEFS	4082-03	$260.00	$260.00	
1325	36555 ECORSE RD	64	87,319	39.607	FULL CIRCLE	4083-03	$260.00	$260.00	
1326	36555 ECORSE RD	56	86,912	39.423	CLASSIC	239	$275.00	$275.00	
1327	36555 ECORSE RD	59	86,913	39.423	CLASSIC	239	$275.00	$275.00	
1328	36555 ECORSE RD	61	86,755	39.351	CLASSIC	239	$275.00	$275.00	
1329	36555 ECORSE RD	60	86,779	39.362	CLASSIC	239	$275.00	$275.00	
1330	36555 ECORSE RD	61	87,644	39.755	CLASSIC	239	$275.00	$275.00	
1331	36555 ECORSE RD	56	85,928	38.976	CLASSIC	239	$275.00	$275.00	
1332	36555 ECORSE RD	54	87,592	39.731	FOUR STAR	1571604-00	$300.00	$300.00	
1333	36555 ECORSE RD	54	87,537	39.706	FOUR STAR	1571786-00	$300.00	$300.00	
1334	36555 ECORSE RD	54	87,582	39.727	FOUR STAR	1571787-00	$300.00	$300.00	
1335	36555 ECORSE RD	53	86,462	39.219	FOUR STAR	1571788-00	$300.00	$300.00	
1336	36555 ECORSE RD	54	87,709	39.784	FOUR STAR	1571789-00	$300.00	$300.00	
1337	36555 ECORSE RD	54	87,600	39.735	FOUR STAR	1571789-00	$300.00	$300.00	
1338	36555 ECORSE RD	54	87,980	39.907	FOUR STAR	1571790-00	$300.00	$300.00	
1339	36555 ECORSE RD	55	87,257	39.579	FOUR STAR	1571791-00	$300.00	$300.00	
1340	36555 ECORSE RD	54	87,906	39.874	FOUR STAR	1571793-00	$300.00	$300.00	
1341	36555 ECORSE RD	55	87,805	39.828	FOUR STAR	1571794-00	$300.00	$300.00	
1342	36555 ECORSE RD	54	87,595	39.732	FOUR STAR	1571795-00	$300.00	$300.00	
1343	151 LAFAYETTE	54	87,874	39.859	CLASSIC	239	$200.00	$200.00	
1344	151 LAFAYETTE	54	87,778	39.815	CLASSIC	239	$200.00	$200.00	
1345	151 LAFAYETTE	53	86,430	39.204	CLASSIC	239	$200.00	$200.00	
1346	151 LAFAYETTE	54	87,803	39.827	CLASSIC	239	$200.00	$200.00	
1347	151 LAFAYETTE	53	86,609	39.285	CLASSIC	239	$200.00	$200.00	
1348	151 LAFAYETTE	53	86,448	39.212	CLASSIC	239	$200.00	$200.00	
1349	151 LAFAYETTE	53	86,571	39.268	CLASSIC	239	$200.00	$200.00	
1350	151 LAFAYETTE	55	87,949	39.893	CLASSIC	239	$200.00	$200.00	

	A	B	C	D	E	F	G
1351	BAR3701	093/9941A/B	31-Oct-13	26090 23 MILE RD	ABCQ/SHA	TBAR/SOW	31-Oct-13
1352	BAR3702	4/4B	31-Oct-13	26090 23 MILE RD	ABI/SHA	TBAR/SOW	31-Oct-13
1353	BAR3703	520/2112	31-Oct-13	26090 23 MILE RD	ABI/ABCQ	TBAR	31-Oct-13
1354	BAR3704	4/4B	31-Oct-13	26090 23 MILE RD	ABI/ABCQ	TBAR	31-Oct-13
1355	BAR4031	119/5428	31-Oct-13	4815 CABOT	ORMET/ME ALCOA	SOW	31-Oct-13
1356	BAR4032	924/808	31-Oct-13	4815 CABOT	ME ALCOA	SOW	31-Oct-13
1357	BAR4033	313/611AB	31-Oct-13	4815 CABOT	ME ALCOA	SOW	31-Oct-13
1358	BAR4034	108/0080	31-Oct-13	4815 CABOT	ME ALCOA	SOW	31-Oct-13
1359	BAR4035	119/5428	31-Oct-13	4815 CABOT	ME ALCOA/ORMET	SOW	31-Oct-13
1360	BAR4036	924/808	31-Oct-13	4815 CABOT	ORMET/GBAIE	SOW	31-Oct-13
1361	BAR4037	33/611/AB	31-Oct-13	4815 CABOT	GBAIE	SOW	31-Oct-13
1362	BAR4038	108/0080	31-Oct-13	4815 CABOT	GBAIE	SOW	31-Oct-13
1363	BAR4039	119/5428	31-Oct-13	4815 CABOT	GBAIE	SOW	31-Oct-13
1364	BAR4040	33/611/AB	31-Oct-13	4815 CABOT	GBAIE/ALMA	SOW	31-Oct-13
1365	BAR4041	924/808	31-Oct-13	4815 CABOT	ALMA	SOW	31-Oct-13
1366	BAR4042	108/0080	31-Oct-13	4815 CABOT	ALMA	SOW	31-Oct-13
1367	BAR4043	924/808	31-Oct-13	4815 CABOT	ALMA	SOW	31-Oct-13
1368	BAR4044	108/0080	31-Oct-13	4815 CABOT	ALMA	SOW	31-Oct-13
1369	BAR4045	119/5428	31-Oct-13	4815 CABOT	ALMA	SOW	31-Oct-13
1370	BAR3590	095/17A	31-Oct-13	12850 E. NINE MILE RD	ALCOA	SOW	31-Oct-13
1371	BAR3591	095/17A	31-Oct-13	12850 E. NINE MILE RD	ALCOA	SOW	31-Oct-13
1372	BAR3592	095/17A	31-Oct-13	12850 E. NINE MILE RD	ALCOA	SOW	31-Oct-13
1373	BAR3593	095/17A	31-Oct-13	12850 E. NINE MILE RD	ALCOA	SOW	31-Oct-13
1374	BAR3594	095/17A	31-Oct-13	12850 E. NINE MILE RD	ALCOA	SOW	31-Oct-13
1375	BAR3595	095/17A	31-Oct-13	12850 E. NINE MILE RD	ALCOA	SOW	31-Oct-13
1376	BAR3893	631/2138A	31-Oct-13	151 LAFAYETTE	ALCOA	MASSENA EAST SOW	31-Oct-13
1377	BAR3894	9934/2144	31-Oct-13	151 LAFAYETTE	ALCOA	MASSENA EAST SOW	31-Oct-13
1378	BAR3895	3100/2133A	31-Oct-13	151 LAFAYETTE	ALCOA	MASSENA EAST SOW/SOW	31-Oct-13
1379	BAR3896	631/2138A	31-Oct-13	151 LAFAYETTE	ALMA	SOW	31-Oct-13
1380	BAR3897	3100/2133A	31-Oct-13	151 LAFAYETTE	ALMA	SOW	31-Oct-13
1381	BAR3898	9934/2144	31-Oct-13	151 LAFAYETTE	ALMA	SOW	31-Oct-13
1382	BAR3899	631/2138A	31-Oct-13	151 LAFAYETTE	ALMA	SOW	31-Oct-13
1383	BAR3900	9934/2144	31-Oct-13	151 LAFAYETTE	ALMA	SOW	31-Oct-13
1384	BAR3901	631/2138A	31-Oct-13	151 LAFAYETTE	ALMA	SOW	31-Oct-13
1385	BAR3902	9934/2144	31-Oct-13	151 LAFAYETTE	ALMA	SOW	31-Oct-13
1386	BAR4084	413/2137A	31-Oct-13	2599 22ND ST	ME ALCOA	SOW	31-Oct-13
1387	BAR4085	35/35A	31-Oct-13	2599 22ND ST	ME ALCOA/ALCOA	SOW	31-Oct-13
1388	BAR4086	78/2147A	31-Oct-13	2599 22ND ST	ME ALCOA/ALCOA	SOW	31-Oct-13
1389	BAR4087	413/2137A	31-Oct-13	2599 22ND ST	ME ALCOA	SOW	31-Oct-13
1390	BAR4088	35/35/A	31-Oct-13	2599 22ND ST	ME ALCOA	SOW	31-Oct-13
1391	BAR4089	78/2147A	31-Oct-13	2599 22ND ST	ME ALCOA	SOW	31-Oct-13
1392	BAR4090	3100/2133A	31-Oct-13	2599 22ND ST	ME ALCOA	SOW	31-Oct-13
1393	BAR4091	413/2137A	31-Oct-13	2599 22ND ST	ME ALCOA	SOW	31-Oct-13
1394	BAR4092	35/35A	31-Oct-13	2599 22ND ST	ME ALCOA	SOW	31-Oct-13
1395	BAR4093	78/2147A	31-Oct-13	2599 22ND ST	ME ALCOA	SOW	31-Oct-13

	H	I	J	K	L	M	N	O	P
1351	151 LAFAYETTE	53	87,405	39.646	CLASSIC	239	$200.00	$200.00	
1352	151 LAFAYETTE	54	87,755	39.805	CLASSIC	239	$200.00	$200.00	
1353	151 LAFAYETTE	54	86,648	39.303	CLASSIC	239	$200.00	$200.00	
1354	151 LAFAYETTE	54	87,425	39.655	CLASSIC	239	$200.00	$200.00	
1355	2599 22ND ST	63	86,624	39.292	CLASSIC	239	$200.00	$200.00	
1356	2599 22ND ST	66	87,653	39.759	CLASSIC	239	$200.00	$200.00	
1357	2599 22ND ST	64	87,748	39.802	CLASSIC	239	$200.00	$200.00	
1358	2599 22ND ST	65	87,540	39.708	CLASSIC	239	$200.00	$200.00	
1359	2599 22ND ST	63	87,210	39.558	CLASSIC	239	$200.00	$200.00	
1360	2599 22ND ST	60	87,033	39.478	CLASSIC	239	$200.00	$200.00	
1361	2599 22ND ST	57	86,485	39.229	CLASSIC	239	$200.00	$200.00	
1362	2599 22ND ST	59	87,744	39.800	CLASSIC	239	$200.00	$200.00	
1363	2599 22ND ST	58	87,373	39.632	CLASSIC	239	$200.00	$200.00	
1364	2599 22ND ST	58	86,977	39.452	CLASSIC	239	$200.00	$200.00	
1365	2599 22ND ST	63	87,276	39.588	CLASSIC	239	$200.00	$200.00	
1366	2599 22ND ST	62	87,550	39.712	CLASSIC	239	$200.00	$200.00	
1367	2599 22ND ST	63	87,077	39.498	CLASSIC	239	$200.00	$200.00	
1368	2599 22ND ST	65	87,373	39.632	CLASSIC	239	$200.00	$200.00	
1369	2599 22ND ST	62	87,509	39.693	CLASSIC	239	$200.00	$200.00	
1370	8650 MT. ELLIOTT	62	86,696	39.325	ALGER	3590-03	$225.00	$225.00	
1371	8650 MT. ELLIOTT	62	86,653	39.305	ALGER	3591-03	$225.00	$225.00	
1372	8650 MT. ELLIOTT	62	87,192	39.550	ALGER	3592-03	$225.00	$225.00	
1373	8650 MT. ELLIOTT	62	87,882	39.863	ALGER	3593-03	$225.00	$225.00	
1374	8650 MT. ELLIOTT	62	87,063	39.491	ALGER	3594-03	$225.00	$225.00	
1375	8650 MT. ELLIOTT	62	86,684	39.319	ALGER	3595-03	$225.00	$225.00	
1376	1200 E. MCNICHOLS AVE	64	87,614	39.741	ALGER	3893-03	$260.00	$260.00	
1377	1200 E. MCNICHOLS AVE	63	86,943	39.437	CHAMPION	3894-03	$260.00	$260.00	
1378	1200 E. MCNICHOLS AVE	65	87,440	39.662	CHIEFS	3895-03	$260.00	$260.00	
1379	1200 E. MCNICHOLS AVE	65	87,545	39.710	ALGER	3896-03	$260.00	$260.00	
1380	1200 E. MCNICHOLS AVE	65	87,935	39.887	CHIEFS	3897-03	$260.00	$260.00	
1381	1200 E. MCNICHOLS AVE	65	87,958	39.897	CHAMPION	3898-03	$260.00	$260.00	
1382	1200 E. MCNICHOLS AVE	67	87,259	39.580	ALGER	3899-03	$260.00	$260.00	
1383	1200 E. MCNICHOLS AVE	66	87,423	39.654	CHAMPION	3900-03	$260.00	$260.00	
1384	1200 E. MCNICHOLS AVE	66	86,752	39.350	ALGER	3901-03	$260.00	$260.00	
1385	1200 E. MCNICHOLS AVE	65	87,294	39.596	CHAMPION	3902-03	$260.00	$260.00	
1386	36555 ECORSE RD	64	86,701	39.327	CHAMPION	4084-03	$260.00	$260.00	
1387	36555 ECORSE RD	62	87,728	39.793	FULL CIRCLE	4085-03	$260.00	$260.00	
1388	36555 ECORSE RD	63	87,050	39.485	FULL CIRCLE	4086-03	$260.00	$260.00	
1389	36555 ECORSE RD	65	87,985	39.909	CHAMPION	4087-03	$260.00	$260.00	
1390	36555 ECORSE RD	64	87,953	39.895	FULL CIRCLE	4088-03	$260.00	$260.00	
1391	36555 ECORSE RD	63	87,679	39.771	FULL CIRCLE	4089-03	$260.00	$260.00	
1392	36555 ECORSE RD	63	86,740	39.345	CHIEFS	4090-03	$260.00	$260.00	
1393	36555 ECORSE RD	65	87,896	39.869	CHAMPION	4091-03	$260.00	$260.00	
1394	36555 ECORSE RD	66	86,991	39.459	FULL CIRCLE	4092-03	$260.00	$260.00	
1395	36555 ECORSE RD	64	86,938	39.434	FULL CIRCLE	4093-03	$260.00	$260.00	

	A	B	C	D	E	F	G
1396	BAR4094	3100/2133A	31-Oct-13	2599 22ND ST	ME ALCOA	SOW	31-Oct-13
1397	BAR4095	413/2137A	31-Oct-13	2599 22ND ST	ME ALCOA	SOW	31-Oct-13
1398	BAR4096	35/35A	31-Oct-13	2599 22ND ST	ME ALCOA	SOW	31-Oct-13
1399	BAR4097	78/2147A	31-Oct-13	2599 22ND ST	ME ALCOA	SOW	31-Oct-13
1400	BAR3810	1015/1015A	31-Oct-13	20495 PENNSYLVANIA RD	ABCQ	TBAR	31-Oct-13
1401	BAR3812	007/007	31-Oct-13	20495 PENNSYLVANIA RD	ABCQ	TBAR	31-Oct-13
1402	BAR3811	357/8014	31-Oct-13	20495 PENNSYLVANIA RD	ABCQ	TBAR	31-Oct-13
1403	BAR3813	357/8014	31-Oct-13	20495 PENNSYLVANIA RD	ABCQ	TBAR	31-Oct-13
1404	BAR3815	575/8816	31-Oct-13	20495 PENNSYLVANIA RD	DESCHAMBAULT/ABCQ	TBAR	31-Oct-13
1405	BAR3814	B348/8807	31-Oct-13	20495 PENNSYLVANIA RD	ABCQ	TBAR	31-Oct-13
1406	BAR3705	093/9941A/B	1-Nov-13	26090 23 MILE RD	ABI	TBAR	1-Nov-13
1407	BAR3706	093/9941A/B	1-Nov-13	26090 23 MILE RD	ABI/DESCHAMBAULT/ALMA	TBAR/SOW	1-Nov-13
1408	BAR3707	4/4B	1-Nov-13	26090 23 MILE RD	ALMA	SOW	1-Nov-13
1409	BAR3708	520/2112	1-Nov-13	26090 23 MILE RD	ORMET/ALMA	SOW	1-Nov-13
1410	BAR3709	093/9941A/B	1-Nov-13	26090 23 MILE RD	ALMA	SOW	1-Nov-13
1411	BAR3710	520/2112	1-Nov-13	26090 23 MILE RD	ALMA/SHA	SOW	1-Nov-13
1412	BAR3711	093/9941A/B	1-Nov-13	26090 23 MILE RD	ALMA/ABI/SHA	TBAR/SOW	1-Nov-13
1413	BAR3712	4/4B	1-Nov-13	26090 23 MILE RD	ABI/ABCQ	TBAR	1-Nov-13
1414	BAR3713	520/2112	1-Nov-13	26090 23 MILE RD	ABCQ/ALMA	TBAR/SOW	1-Nov-13
1415	BAR3714	4/4B	1-Nov-13	26090 23 MILE RD	ABCQ	TBAR	1-Nov-13
1416	BAR3715	520/2112	1-Nov-13	26090 23 MILE RD	ABCQ	TBAR	1-Nov-13
1417	BAR3716	4/4B	1-Nov-13	26090 23 MILE RD	ABCQ/SHA	TBAR/SOW	1-Nov-13
1418	BAR4046	119/5428	1-Nov-13	4815 CABOT	ALMA/ALCOA	SOW	1-Nov-13
1419	BAR4047	924/808	1-Nov-13	4815 CABOT	ALCOA	SOW	1-Nov-13
1420	BAR4048	108/0080	1-Nov-13	4815 CABOT	ALCOA	SOW	1-Nov-13
1421	BAR4049	33/611/AB	1-Nov-13	4815 CABOT	ALCOA	SOW	1-Nov-13
1422	BAR4050	119/5428	1-Nov-13	4815 CABOT	ALCOA	SOW	1-Nov-13
1423	BAR4051	924/808	1-Nov-13	4815 CABOT	ALCOA	SOW	1-Nov-13
1424	BAR4052	924/808	1-Nov-13	4815 CABOT	ALCOA	SOW	1-Nov-13
1425	BAR4053	119/5428	1-Nov-13	4815 CABOT	ALCOA	SOW	1-Nov-13
1426	BAR4054	33/611/AB	1-Nov-13	4815 CABOT	ALCOA	SOW	1-Nov-13
1427	BAR4055	108/0080	1-Nov-13	4815 CABOT	ALCOA	SOW	1-Nov-13
1428	BAR4056	924/808	1-Nov-13	4815 CABOT	ALCOA	SOW	1-Nov-13
1429	BAR4057	33/611/AB	1-Nov-13	4815 CABOT	ALCOA	SOW	1-Nov-13
1430	BAR4058	924/808	1-Nov-13	4815 CABOT	ALCOA	SOW	1-Nov-13
1431	BAR4059	119/5428	1-Nov-13	4815 CABOT	ALCOA	SOW	1-Nov-13
1432	BAR4060	33/611/AB	1-Nov-13	4815 CABOT	ALCOA	SOW	1-Nov-13
1433	BAR3596	095/17A	1-Nov-13	12850 E. NINE MILE RD	ALCOA	SOW	1-Nov-13
1434	BAR3597	094/17A	1-Nov-13	12850 E. NINE MILE RD	ALCOA/ME ALCOA	SOW	1-Nov-13
1435	BAR3598	094/17A	1-Nov-13	12850 E. NINE MILE RD	ME ALCOA	SOW	1-Nov-13
1436	BAR3599	094/17A	1-Nov-13	12850 E. NINE MILE RD	ME ALCOA	SOW	1-Nov-13
1437	BAR3600	094/17A	1-Nov-13	12850 E. NINE MILE RD	ALCOA MASSENA/ME ALCOA	EAST SOW/SOW	1-Nov-13
1438	BAR3601	094/17A	1-Nov-13	12850 E. NINE MILE RD	ME ALCOA	SOW	1-Nov-13
1439	BAR3903	9934/2144	1-Nov-13	151 LAFAYETTE	ALMA	SOW	1-Nov-13
1440	BAR3904	631/2138H	1-Nov-13	151 LAFAYETTE	ALMA	SOW	1-Nov-13

	H	I	J	K	L	M	N	O	P
1396	36555 ECORSE RD	64	87,971	39.903	CHIEFS	4094-03	$260.00	$260.00	
1397	36555 ECORSE RD	65	87,069	39.494	CHAMPION	4095-03	$260.00	$260.00	
1398	36555 ECORSE RD	65	87,975	39.905	FULL CIRCLE	4096-03	$260.00	$260.00	
1399	36555 ECORSE RD	63	87,355	39.624	FULL CIRCLE	4097-03	$260.00	$260.00	
1400	36555 ECORSE RD	55	87,442	39.663	FOUR STAR	1571999-00	$300.00	$300.00	
1401	36555 ECORSE RD	55	86,928	39.430	FOUR STAR	1572000-00	$300.00	$300.00	
1402	36555 ECORSE RD	55	87,228	39.566	FOUR STAR	1572001-00	$300.00	$300.00	
1403	36555 ECORSE RD	55	87,714	39.786	FOUR STAR	1572002-00	$300.00	$300.00	
1404	36555 ECORSE RD	57	86,672	39.314	FOUR STAR	1572004-00	$300.00	$300.00	
1405	36555 ECORSE RD	58	87,277	39.588	FOUR STAR	1572005-00	$300.00	$300.00	
1406	151 LAFAYETTE	54	87,493	39.686	CLASSIC	239	$200.00	$200.00	
1407	151 LAFAYETTE	59	86,980	39.454	CLASSIC	239	$200.00	$200.00	
1408	151 LAFAYETTE	67	87,662	39.763	CLASSIC	239	$200.00	$200.00	
1409	151 LAFAYETTE	65	87,231	39.567	CLASSIC	239	$200.00	$200.00	
1410	151 LAFAYETTE	64	87,238	39.571	CLASSIC	239	$200.00	$200.00	
1411	151 LAFAYETTE	57	87,070	39.494	CLASSIC	239	$200.00	$200.00	
1412	151 LAFAYETTE	55	87,798	39.825	CLASSIC	239	$200.00	$200.00	
1413	151 LAFAYETTE	55	87,883	39.863	CLASSIC	239	$200.00	$200.00	
1414	151 LAFAYETTE	60	87,384	39.637	CLASSIC	239	$200.00	$200.00	
1415	151 LAFAYETTE	59	87,195	39.551	CLASSIC	239	$200.00	$200.00	
1416	151 LAFAYETTE	55	86,982	39.454	CLASSIC	239	$200.00	$200.00	
1417	151 LAFAYETTE	55	87,443	39.664	CLASSIC	239	$200.00	$200.00	
1418	2599 22ND ST	63	87,900	39.871	CLASSIC	239	$200.00	$200.00	
1419	2599 22ND ST	66	87,926	39.883	CLASSIC	239	$200.00	$200.00	
1420	2599 22ND ST	65	87,126	39.520	CLASSIC	239	$200.00	$200.00	
1421	2599 22ND ST	65	87,922	39.881	CLASSIC	239	$200.00	$200.00	
1422	2599 22ND ST	61	86,991	39.459	CLASSIC	239	$200.00	$200.00	
1423	2599 22ND ST	62.	86,743	39.346	CLASSIC	239	$200.00	$200.00	
1424	2599 22ND ST	61	87,128	39.521	CLASSIC	239	$200.00	$200.00	
1425	2599 22ND ST	64	87,219	39.562	CLASSIC	239	$200.00	$200.00	
1426	2599 22ND ST	66	87,911	39.876	CLASSIC	239	$200.00	$200.00	
1427	2599 22ND ST	63	87,220	39.562	CLASSIC	239	$200.00	$200.00	
1428	2599 22ND ST	64	87,191	39.549	CLASSIC	239	$200.00	$200.00	
1429	2599 22ND ST	63	89,156	40.441	CLASSIC	239	$200.00	$200.00	
1430	2599 22ND ST	62	87,741	39.799	CLASSIC	239	$200.00	$200.00	
1431	2599 22ND ST	66	88,989	40.365	CLASSIC	239	$200.00	$200.00	
1432	2599 22ND ST	66	86,671	39.313	CLASSIC	239	$200.00	$200.00	
1433	8650 MT. ELLIOTT	61	86,546	39.257	ALGER	3596-03	$225.00	$225.00	
1434	8650 MT. ELLIOTT	64	87,667	39.765	ALGER	3597-03	$225.00	$225.00	
1435	8650 MT. ELLIOTT	64	86,765	39.356	ALGER	3598-03	$225.00	$225.00	
1436	8650 MT. ELLIOTT	65	87,698	39.779	ALGER	3599-03	$225.00	$225.00	
1437	8650 MT. ELLIOTT	66	87,764	39.809	ALGER	3600-03	$225.00	$225.00	
1438	8650 MT. ELLIOTT	66	87,764	39.809	ALGER	3601-03	$225.00	$225.00	
1439	1200 E. MCNICHOLS AVE	64	87,121	39.517	CHAMPION	3903-03	$260.00	$260.00	
1440	1200 E. MCNICHOLS AVE	64	87,721	39.790	ALGER	3904-03	$260.00	$260.00	

	A	B	C	D	E	F	G
1441	BAR3905	3100/2133A	1-Nov-13	151 LAFAYETTE	ALMA	SOW	1-Nov-13
1442	BAR3906	9934/2144	1-Nov-13	151 LAFAYETTE	ALMA	SOW	1-Nov-13
1443	BAR3907	631/2138A	1-Nov-13	151 LAFAYETTE	ALMA	SOW	1-Nov-13
1444	BAR3908	3100/2133A	1-Nov-13	151 LAFAYETTE	ALMA	SOW	1-Nov-13
1445	BAR3909	9934/2144	1-Nov-13	151 LAFAYETTE	ALMA	SOW	1-Nov-13
1446	BAR3910	631/2138A	1-Nov-13	151 LAFAYETTE	ALMA	SOW	1-Nov-13
1447	BAR3911	9934/2144	1-Nov-13	151 LAFAYETTE	ALMA	SOW	1-Nov-13
1448	BAR3912	631/2138A	1-Nov-13	151 LAFAYETTE	ALMA	SOW	1-Nov-13
1449	BAR3913	9934/2144	1-Nov-13	151 LAFAYETTE	ALMA	SOW	1-Nov-13
1450	BAR4098	413/2137A	1-Nov-13	2599 22ND ST	ALCOA	SOW	1-Nov-13
1451	BAR4099	35/35A	1-Nov-13	2599 22ND ST	ALCOA	SOW	1-Nov-13
1452	BAR4100	78/2147A	1-Nov-13	2599 22ND ST	ALCOA	SOW	1-Nov-13
1453	BAR4101	2133/2141A	1-Nov-13	2599 22ND ST	ALCOA	SOW	1-Nov-13
1454	BAR4102	413/2137A	1-Nov-13	2599 22ND ST	ALCOA	SOW	1-Nov-13
1455	BAR4103	35/35A	1-Nov-13	2599 22ND ST	ME ALCOA	SOW	1-Nov-13
1456	BAR4104	78/2147A	1-Nov-13	2599 22ND ST	ME ALCOA	SOW	1-Nov-13
1457	BAR4105	2133/2141A	1-Nov-13	2599 22ND ST	ME ALCOA	SOW	1-Nov-13
1458	BAR4106	413/2137A	1-Nov-13	2599 22ND ST	ME ALCOA/ALCOA	SOW	1-Nov-13
1459	BAR4107	35/35A	1-Nov-13	2599 22ND ST	ALCOA/ME ALCOA	SOW	1-Nov-13
1460	BAR4108	78/2147A	1-Nov-13	2599 22ND ST	ME ALCOA	SOW	1-Nov-13
1461	BAR4109	35/35A	1-Nov-13	2599 22ND ST	ME ALCOA	SOW	1-Nov-13
1462	BAR3822LTL	909/8825	1-Nov-13	20495 PENNSYLVANIA RD	SHA	SOW	1-Nov-13
1463	BAR3816	357/8014	1-Nov-13	20495 PENNSYLVANIA RD	DESCHAMBAULT	TBAR	1-Nov-13
1464	BAR3821	357/8014	1-Nov-13	20495 PENNSYLVANIA RD	SHA	SOW	1-Nov-13
1465	BAR3817	357/8014	1-Nov-13	20495 PENNSYLVANIA RD	DESCHAMBAULT	TBAR	1-Nov-13
1466	BAR3820	739/8830	1-Nov-13	20495 PENNSYLVANIA RD	DESCHAMBAULT/SHA	TBAR/SOW	1-Nov-13
1467	BAR3819	913/8832	1-Nov-13	20495 PENNSYLVANIA RD	DESCHAMBAULT/SHA	TBAR/SOW	1-Nov-13
1468	BAR3818	739/8830	1-Nov-13	20495 PENNSYLVANIA RD	DESCHAMBAULT/SHA	TBAR/SOW	1-Nov-13
1469	BAR3717	520-2112	4-Nov-13	26090 23 MILE RD	SHA/ABCQ	SOW/TBAR	4-Nov-13
1470	BAR3718	520-2112	4-Nov-13	26090 23 MILE RD	ABCQ/ABI	TBAR	4-Nov-13
1471	BAR3719	119/5428	4-Nov-13	26090 23 MILE RD	ABCQ/ABI	TBAR	4-Nov-13
1472	BAR3720	194/4593	4-Nov-13	26090 23 MILE RD	ABCQ	TBAR	4-Nov-13
1473	BAR3721	119/5428	4-Nov-13	26090 23 MILE RD	ABCQ	TBAR	4-Nov-13
1474	BAR3722	194/4593	4-Nov-13	26090 23 MILE RD	ABCQ	TBAR	4-Nov-13
1475	BAR3723	194/4593	4-Nov-13	26090 23 MILE RD	ABCQ/ABI/ALMA	SOW/TBAR	4-Nov-13
1476	BAR3724	119/5428	4-Nov-13	26090 23 MILE RD	ALMA/ABI	SOW/TBAR	4-Nov-13
1477	BAR3725	119/5428	4-Nov-13	26090 23 MILE RD	ABCQ/ABI	TBAR	4-Nov-13
1478	BAR3726	194/4593	4-Nov-13	26090 23 MILE RD	ABCQ	TBAR	4-Nov-13
1479	BAR3727	520-2112	4-Nov-13	26090 23 MILE RD	ABCQ/SHA	SOW/TBAR	4-Nov-13
1480	BAR3728	119/5428	4-Nov-13	26090 23 MILE RD	ABCQ/SHA	SOW/TBAR	4-Nov-13
1481	BAR3729	194/4593	4-Nov-13	26090 23 MILE RD	ABCQ	TBAR	4-Nov-13
1482	BAR4061	6/806	4-Nov-13	4815 CABOT	ALCOA	SOW	4-Nov-13
1483	BAR4062	108/0080	4-Nov-13	4815 CABOT	ALCOA	SOW	4-Nov-13
1484	BAR4063	33/611A-B	4-Nov-13	4815 CABOT	ALCOA	SOW	4-Nov-13
1485	BAR4064	33/611A-B	4-Nov-13	4815 CABOT	ALCOA	SOW	4-Nov-13

	H	I	J	K	L	M	N	O	P
1441	1200 E. MCNICHOLS AVE	65	87,618	39,743	CHIEFS	3905-03	$260.00	$260.00	
1442	1200 E. MCNICHOLS AVE	64	87,129	39,521	CHAMPION	3906-03	$260.00	$260.00	
1443	1200 E. MCNICHOLS AVE	64	87,699	39,780	ALGER	3907-03	$260.00	$260.00	
1444	1200 E. MCNICHOLS AVE	65	87,061	39,490	CHIEFS	3908-03	$260.00	$260.00	
1445	1200 E. MCNICHOLS AVE	62	87,152	39,532	CHAMPION	3909-03	$260.00	$260.00	
1446	1200 E. MCNICHOLS AVE	69	87,283	39,591	ALGER	3910-03	$260.00	$260.00	
1447	1200 E. MCNICHOLS AVE	61	86,878	39,407	CHAMPION	3911-03	$260.00	$260.00	
1448	1200 E. MCNICHOLS AVE	64	87,898	39,870	ALGER	3912-03	$260.00	$260.00	
1449	1200 E. MCNICHOLS AVE	64	87,410	39,649	CHAMPION	3913-03	$260.00	$260.00	
1450	36555 ECORSE RD	66	87,033	39,478	CHAMPION	4098-03	$260.00	$260.00	
1451	36555 ECORSE RD	65	87,693	39,777	FULL CIRCLE	4099-03	$260.00	$260.00	
1452	36555 ECORSE RD	65	86,826	39,384	FULL CIRCLE	4100-03	$260.00	$260.00	
1453	36555 ECORSE RD	65	87,398	39,643	CHAMPION	4101-03	$260.00	$260.00	
1454	36555 ECORSE RD	64	87,217	39,561	CHAMPION	4102-03	$260.00	$260.00	
1455	36555 ECORSE RD	64	87,710	39,785	FULL CIRCLE	4103-03	$260.00	$260.00	
1456	36555 ECORSE RD	65	86,709	39,331	FULL CIRCLE	4104-03	$260.00	$260.00	
1457	36555 ECORSE RD	63	86,856	39,397	CHAMPION	4105-03	$260.00	$260.00	
1458	36555 ECORSE RD	62	87,219	39,562	CHAMPION	4106-03	$260.00	$260.00	
1459	36555 ECORSE RD	64	87,544	39,709	FULL CIRCLE	4107-03	$260.00	$260.00	
1460	36555 ECORSE RD	65	86,952	39,441	FULL CIRCLE	4108-03	$260.00	$260.00	
1461	36555 ECORSE RD	64	87,076	39,497	FULL CIRCLE	4109-03	$260.00	$260.00	
1462	36555 ECORSE RD	49	78,261	35,499	FOUR STAR	1572144-00	$300.00	$300.00	
1463	36555 ECORSE RD	58	86,833	39,387	FOUR STAR	1572145-00	$300.00	$300.00	
1464	36555 ECORSE RD	54	87,514	39,696	FOUR STAR	1572146-00	$300.00	$300.00	
1465	36555 ECORSE RD	58	86,928	39,430	FOUR STAR	1572147-00	$300.00	$300.00	
1466	36555 ECORSE RD	55	86,702	39,327	FOUR STAR	1572149-00	$300.00	$300.00	
1467	36555 ECORSE RD	58	87,826	39,837	FOUR STAR	1572150-00	$300.00	$300.00	
1468	36555 ECORSE RD	56	87,739	39,798	FOUR STAR	1572148-00	$300.00	$300.00	
1469	151 LAFAYETTE	54	86,573	39,269	CLASSIC	240	$200.00	$200.00	
1470	151 LAFAYETTE	55	87,542	39,708	CLASSIC	240	$200.00	$200.00	
1471	151 LAFAYETTE	57	87,186	39,547	CLASSIC	240	$200.00	$200.00	
1472	151 LAFAYETTE	55	86,407	39,194	CLASSIC	240	$200.00	$200.00	
1473	151 LAFAYETTE	55	87,058	39,489	CLASSIC	240	$200.00	$200.00	
1474	151 LAFAYETTE	55	87,148	39,530	CLASSIC	240	$200.00	$200.00	
1475	151 LAFAYETTE	55	87,680	39,771	CLASSIC	240	$200.00	$200.00	
1476	151 LAFAYETTE	59	86,846	39,393	CLASSIC	240	$200.00	$200.00	
1477	151 LAFAYETTE	55	87,579	39,725	CLASSIC	240	$200.00	$200.00	
1478	151 LAFAYETTE	55	87,074	39,496	CLASSIC	240	$200.00	$200.00	
1479	151 LAFAYETTE	54	87,223	39,564	CLASSIC	240	$200.00	$200.00	
1480	151 LAFAYETTE	53	86,759	39,353	CLASSIC	240	$200.00	$200.00	
1481	151 LAFAYETTE	58	87,251	39,576	CLASSIC	240	$200.00	$200.00	
1482	2599 22ND ST	62	87,803	39,827	CLASSIC	240	$200.00	$200.00	
1483	2600 22ND ST	62	87,606	39,737	CLASSIC	240	$200.00	$200.00	
1484	2601 22ND ST	61	87,610	39,739	CLASSIC	240	$200.00	$200.00	
1485	2602 22ND ST	61	86,735	39,342	CLASSIC	240	$200.00	$200.00	

	A	B	C	D	E	F	G
1486	BAR4065	33/611A-B	4-Nov-13	4815 CABOT	ALCOA	SOW	4-Nov-13
1487	BAR4066	108/0080	4-Nov-13	4815 CABOT	ALCOA/ALOUETTE	SOW/ING	4-Nov-13
1488	BAR4067	L26/26A-B	4-Nov-13	4815 CABOT	ALOUETTE	ING	4-Nov-13
1489	BAR4068	33/611A-B	4-Nov-13	4815 CABOT	ALOUETTE	ING	4-Nov-13
1490	BAR4069	6/806	4-Nov-13	4815 CABOT	ALOUETTE	ING	4-Nov-13
1491	BAR4070	108/0080	4-Nov-13	4815 CABOT	ALOUETTE	ING	4-Nov-13
1492	BAR4071	6/706	4-Nov-13	4815 CABOT	ALOUETTE	ING	4-Nov-13
1493	BAR4072	894/309	4-Nov-13	4815 CABOT	ALOUETTE/DESCHAMBAULT	ING/TBAR	4-Nov-13
1494	BAR4073	L20/L20A-B	4-Nov-13	4815 CABOT	ALOUETTE/DESCHAMBAULT	ING/TBAR	4-Nov-13
1495	BAR4074	6/806	4-Nov-13	4815 CABOT	ALOUETTE	ING	4-Nov-13
1496	BAR4075	595/265	4-Nov-13	4815 CABOT	ALOUETTE	ING	4-Nov-13
1497	BAR4076LTL	L26/26A-B	4-Nov-13	4815 CABOT	ALOUETTE	ING	4-Nov-13
1498	BAR3602	095/17A	4-Nov-13	12850 E. NINE MILE RD	ME ALCOA	SOW	4-Nov-13
1499	BAR3603	094/17A	4-Nov-13	12850 E. NINE MILE RD	ME ALCOA/SHA	SOW	4-Nov-13
1500	BAR3604	634/2134	4-Nov-13	12850 E. NINE MILE RD	SHA	SOW	4-Nov-13
1501	BAR3605	095/17A	4-Nov-13	12850 E. NINE MILE RD	SHA	SOW	4-Nov-13
1502	BAR3606	634/2134A	4-Nov-13	12850 E. NINE MILE RD	SHA/GBAIE	SOW	4-Nov-13
1503	BAR3607	094/17A	4-Nov-13	12850 E. NINE MILE RD	GBAIE/ALOUETTE	SOW/ING	4-Nov-13
1504	BAR3608	094/17A	4-Nov-13	12850 E. NINE MILE RD	ALOUETTE	ING/SOW	4-Nov-13
1505	BAR4138LTL	094/17A	4-Nov-13	12850 E. NINE MILE RD	ALOUETTE	SOW	4-Nov-13
1506	BAR3914	3100/2133A	4-Nov-13	151 LAFAYETTE	ALMA	SOW	4-Nov-13
1507	BAR3915	631/2138A	4-Nov-13	151 LAFAYETTE	ALMA	SOW	4-Nov-13
1508	BAR3916	9934/2144	4-Nov-13	151 LAFAYETTE	ALMA	SOW	4-Nov-13
1509	BAR3917	3100/2133A	4-Nov-13	151 LAFAYETTE	ALMA	SOW	4-Nov-13
1510	BAR3918	634/2139	4-Nov-13	151 LAFAYETTE	ALMA	SOW	4-Nov-13
1511	BAR3919	631/2138A	4-Nov-13	151 LAFAYETTE	ALMA	SOW	4-Nov-13
1512	BAR3920	9934/2144	4-Nov-13	151 LAFAYETTE	ALMA	SOW	4-Nov-13
1513	BAR3921	3100/2133A	4-Nov-13	151 LAFAYETTE	ALMA	SOW	4-Nov-13
1514	BAR3922	631/2138A	4-Nov-13	151 LAFAYETTE	ALMA	SOW	4-Nov-13
1515	BAR3923	3100/2133A	4-Nov-13	151 LAFAYETTE	ALMA	SOW	4-Nov-13
1516	BAR3924	9934/2144	4-Nov-13	151 LAFAYETTE	ALMA	SOW	4-Nov-13
1517	BAR3925	631/2138A	4-Nov-13	151 LAFAYETTE	ALMA	SOW	4-Nov-13
1518	BAR3926	3100/2133A	4-Nov-13	151 LAFAYETTE	ALMA/SHA	SOW	4-Nov-13
1519	BAR3927	9934/2144	4-Nov-13	151 LAFAYETTE	SHA	SOW	4-Nov-13
1520	BAR4110	108/2140A	4-Nov-13	2599 22ND ST	ME ALCOA	SOW	4-Nov-13
1521	BAR4111	413/2137A	4-Nov-13	2599 22ND ST	ME ALCOA	SOW	4-Nov-13
1522	BAR4112	2133/2141A	4-Nov-13	2599 22ND ST	ME ALCOA	SOW	4-Nov-13
1523	BAR4113	35/35A	4-Nov-13	2599 22ND ST	ME ALCOA	SOW	4-Nov-13
1524	BAR4114	78/2147A	4-Nov-13	2599 22ND ST	ME ALCOA	SOW	4-Nov-13
1525	BAR4115	108/2140A	4-Nov-13	2599 22ND ST	ME ALCOA	SOW	4-Nov-13
1526	BAR4116	413/2137A	4-Nov-13	2599 22ND ST	ME ALCOA	SOW	4-Nov-13
1527	BAR4117	2133/2141A	4-Nov-13	2599 22ND ST	ME ALCOA	SOW	4-Nov-13
1528	BAR4118	35/35A	4-Nov-13	2599 22ND ST	ME ALCOA	SOW	4-Nov-13
1529	BAR4119	108/2140A	4-Nov-13	2599 22ND ST	ME ALCOA	SOW	4-Nov-13
1530	BAR4120	413/2137A	4-Nov-13	2599 22ND ST	ME ALCOA	SOW	4-Nov-13

	H	I	J	K	L	M	N	O	P
1486	2603 22ND ST	62	87,932	39.885	CLASSIC	240	$200.00	$200.00	
1487	2604 22ND ST	53	87,676	39.769	CLASSIC	240	$200.00	$200.00	
1488	2605 22ND ST	38	87,214	39.560	CLASSIC	240	$200.00	$200.00	
1489	2606 22ND ST	38	87,643	39.754	CLASSIC	240	$200.00	$200.00	
1490	2607 22ND ST	38	87,347	39.620	CLASSIC	240	$200.00	$200.00	
1491	2608 22ND ST	38	87,378	39.634	CLASSIC	240	$200.00	$200.00	
1492	2609 22ND ST	38	87,315	39.605	CLASSIC	240	$200.00	$200.00	
1493	2610 22ND ST	39	87,635	39.751	CLASSIC	240	$200.00	$200.00	
1494	2611 22ND ST	50	87,679	39.771	CLASSIC	240	$200.00	$200.00	
1495	2612 22ND ST	38	86,998	39.462	CLASSIC	240	$200.00	$200.00	
1496	2613 22ND ST	38	87,540	39.708	CLASSIC	240	$200.00	$200.00	
1497	2614 22ND ST	28	64,553	29.281	CLASSIC	240	$200.00	$200.00	
1498	8650 MT. ELLIOTT	65	87,872	39.858	L&R	3602-03	$225.00	$225.00	
1499	8650 MT. ELLIOTT	63	87,726	39.792	L&R	3603-03	$225.00	$225.00	
1500	8650 MT. ELLIOTT	53	87,515	39.696	CHAMPION	3604-03	$225.00	$225.00	
1501	8650 MT. ELLIOTT	53	87,235	39.569	L&R	3605-03	$225.00	$225.00	
1502	8650 MT. ELLIOTT	54	87,733	39.795	CHAMPION	3606-03	$225.00	$225.00	
1503	8650 MT. ELLIOTT	49	86,097	39.053	L&R	3607-03	$225.00	$225.00	
1504	8650 MT. ELLIOTT	42	87,142	39.527	L&R	3608-03	$225.00	$225.00	
1505	8650 MT. ELLIOTT	23	35,893	16.281	L&R	4138-03	$225.00	$225.00	
1506	1200 E. MCNICHOLS	66	86,640	39.299	CHIEFS	3914-03	$260.00	$260.00	
1507	1200 E. MCNICHOLS	65	86,666	39.311	ALGER	3915-03	$260.00	$260.00	
1508	1200 E. MCNICHOLS	66	87,166	39.538	CHAMPION	3916-03	$260.00	$260.00	
1509	1200 E. MCNICHOLS	65	87,938	39.888	CHIEFS	3917-03	$260.00	$260.00	
1510	1200 E. MCNICHOLS	65	87,474	39.678	CHAMPION	3918-03	$260.00	$260.00	
1511	1200 E. MCNICHOLS	63	87,955	39.896	ALGER	3919-03	$260.00	$260.00	
1512	1200 E. MCNICHOLS	63	86,628	39.294	CHAMPION	3920-03	$260.00	$260.00	
1513	1200 E. MCNICHOLS	65	87,091	39.504	CHIEFS	3921-03	$260.00	$260.00	
1514	1200 E. MCNICHOLS	64	87,703	39.781	ALGER	3922-03	$260.00	$260.00	
1515	1200 E. MCNICHOLS	61	87,054	39.487	CHIEFS	3923-03	$260.00	$260.00	
1516	1200 E. MCNICHOLS	61	87,706	39.783	CHAMPION	3924-03	$260.00	$260.00	
1517	1200 E. MCNICHOLS	65	87,869	39.857	ALGER	3925-03	$260.00	$260.00	
1518	1200 E. MCNICHOLS	60	87,682	39.772	CHIEFS	3926-03	$260.00	$260.00	
1519	1200 E. MCNICHOLS	53	86,421	39.200	CHAMPION	3927-03	$260.00	$260.00	
1520	36555 ECORSE RD	65	87,325	39.610	CHAMPION	4110-03	$260.00	$260.00	
1521	36555 ECORSE RD	63	86,867	39.402	CHAMPION	4111-03	$260.00	$260.00	
1522	36555 ECORSE RD	62	87,380	39.635	CHAMPION	4112-03	$260.00	$260.00	
1523	36555 ECORSE RD	65	87,748	39.802	FULL CIRCLE	4113-03	$260.00	$260.00	
1524	36555 ECORSE RD	66	87,051	39.486	FULL CIRCLE	4114-03	$260.00	$260.00	
1525	36555 ECORSE RD	65	87,591	39.731	CHAMPION	4115-03	$260.00	$260.00	
1526	36555 ECORSE RD	64	87,912	39.876	CHAMPION	4116-03	$260.00	$260.00	
1527	36555 ECORSE RD	64	87,197	39.552	CHAMPION	4117-03	$260.00	$260.00	
1528	36555 ECORSE RD	65	87,716	39.787	FULL CIRCLE	4118-03	$260.00	$260.00	
1529	36565 ECORSE RD	64	87,186	39.547	CHAMPION	4119-03	$260.00	$260.00	
1530	36555 ECORSE RD	65	87,533	39.704	CHAMPION	4120-03	$260.00	$260.00	

	A	B	C	D	E	F	G
1531	BAR4121	2133/2141	4-Nov-13	2599 22ND ST	ME ALCOA/ABCQ	SOW/TBAR	4-Nov-13
1532	BAR4122	35/35A	4-Nov-13	2599 22ND ST	ABCQ	TBAR	4-Nov-13
1533	BAR3955	108/0080	5-Nov-13	3801 WEST JEFFERSON	ALCOA	SOW	5-Nov-13
1534	BAR3956	6/806	5-Nov-13	3801 WEST JEFFERSON	ALCOA	SOW	5-Nov-13
1535	BAR3957	108/0080	5-Nov-13	3801 WEST JEFFERSON	ALCOA	SOW	5-Nov-13
1536	BAR3958	108/0080	5-Nov-13	3801 WEST JEFFERSON	ALCOA	SOW	5-Nov-13
1537	BAR3959	L20/A-B	5-Nov-13	3801 WEST JEFFERSON	ORMET	SOW	5-Nov-13
1538	BAR3960	L20/A-B	5-Nov-13	3801 WEST JEFFERSON	ORMET	SOW	5-Nov-13
1539	BAR3961	L20/A-B	5-Nov-13	3801 WEST JEFFERSON	ORMET	SOW	5-Nov-13
1540	BAR3962	6/806	5-Nov-13	3801 WEST JEFFERSON	ORMET	SOW	5-Nov-13
1541	BAR3963LTL	6/806	5-Nov-13	3801 WEST JEFFERSON	ORMET	SOW	5-Nov-13
1542	BAR3973	502	5-Nov-13	6307 WEST FORT ST	ABI	TBAR	5-Nov-13
1543	BAR3974LTL	2112	5-Nov-13	6307 WEST FORT ST	ABI	TBAR	5-Nov-13
1544	BAR3975	33/611A-B	5-Nov-13	13542 HELEN ST	ABI	TBAR	5-Nov-13
1545	BAR3976	33/611A-B	5-Nov-13	13542 HELEN ST	ABI	TBAR	5-Nov-13
1546	BAR3977	33/611A-B	5-Nov-13	13542 HELEN ST	ABI	TBAR	5-Nov-13
1547	BAR3978LTL	33/611A-B	5-Nov-13	13542 HELEN ST	ABI	TBAR	5-Nov-13
1548	BAR3730	119/5428	5-Nov-13	26090 23 MILE RD	ABCQ	TBAR	5-Nov-13
1549	BAR3731	194/4593	5-Nov-13	26090 23 MILE RD	ABCQ/ALMA	TBAR/SOW	5-Nov-13
1550	BAR3732	194/4593	5-Nov-13	26090 23 MILE RD	ABI/ALMA	TBAR/SOW	5-Nov-13
1551	BAR3733	520/2112	5-Nov-13	26090 23 MILE RD	ABI	TBAR	5-Nov-13
1552	BAR3734	520/2112	5-Nov-13	26090 23 MILE RD	ABI/ABCQ/ORMET	TBAR/SOW	5-Nov-13
1553	BAR3735	119/5428	5-Nov-13	26090 23 MILE RD	ORMET/ABI	SOW/TBAR	5-Nov-13
1554	BAR3736	194/4593	5-Nov-13	26090 23 MILE RD	ORMET	SOW	5-Nov-13
1555	BAR3737	520/2112	5-Nov-13	26090 23 MILE RD	ORMET/ABI	SOW/TBAR	5-Nov-13
1556	BAR3738	119/5428	5-Nov-13	26090 23 MILE RD	ABI	TBAR	5-Nov-13
1557	BAR3739	194/4593	5-Nov-13	26090 23 MILE RD	ORMET/ABI	SOW/TBAR	5-Nov-13
1558	BAR3740	119/5428	5-Nov-13	26090 23 MILE RD	ORMET	SOW	5-Nov-13
1559	BAR3741	119/5428	5-Nov-13	26090 23 MILE RD	ORMET	SOW	5-Nov-13
1560	BAR3742LTL	194/4593	5-Nov-13	26090 23 MILE RD	ORMET	SOW	5-Nov-13
1561	BAR3979LTL	2133/2141A	5-Nov-13	8650 MT. ELLIOTT	ALCOA MASSENA	EAST SOW	5-Nov-13
1562	BAR4556	631/2138A	5-Nov-13	151 LAFAYETTE	ABI	TBAR	5-Nov-13
1563	BAR4557	9934/2144	5-Nov-13	151 LAFAYETTE	ABI	TBAR	5-Nov-13
1564	BAR4558	3140/2133A	5-Nov-13	151 LAFAYETTE	ABI	TBAR	5-Nov-13
1565	BAR4559	631/2138A	5-Nov-13	151 LAFAYETTE	ABI	TBAR	5-Nov-13
1566	BAR4560	9934/2144	5-Nov-13	151 LAFAYETTE	ABI	TBAR	5-Nov-13
1567	BAR4561	3140/2133A	5-Nov-13	151 LAFAYETTE	ABI	TBAR	5-Nov-13
1568	BAR4562	631/2138A	5-Nov-13	151 LAFAYETTE	ABI	TBAR	5-Nov-13
1569	BAR4563	095/17A	5-Nov-13	151 LAFAYETTE	ABI	TBAR	5-Nov-13
1570	BAR4564	111/2150A	5-Nov-13	151 LAFAYETTE	ABI	TBAR	5-Nov-13
1571	BAR4565	631/2138A	5-Nov-13	151 LAFAYETTE	ABI	TBAR	5-Nov-13
1572	BAR3940	111/2150A	5-Nov-13	151 LAFAYETTE	ABCQ/ABI	TBAR	5-Nov-13
1573	BAR3928	111/2150A	5-Nov-13	151 LAFAYETTE	SHA/ABI	SOW/TBAR	5-Nov-13
1574	BAR3929	108/2140A	5-Nov-13	151 LAFAYETTE	ABI	TBAR	5-Nov-13
1575	BAR3930	095/17A	5-Nov-13	151 LAFAYETTE	ABI	TBAR	5-Nov-13

	H	I	J	K	L	M	N	O	P
1531	36555 ECORSE RD	56	86,818	39.380	CHAMPION	4121-03	$260.00	$260.00	
1532	36555 ECORSE RD	55	87,328	39.611	FULL CIRCLE	4122-03	$260.00	$260.00	
1533	4815 CABOT	66	87,672	39.767	CLASSIC	240	$200.00	$200.00	
1534	4815 CABOT	64	87,796	39.824	CLASSIC	240	$200.00	$200.00	
1535	4815 CABOT	64	86,923	39.428	CLASSIC	240	$200.00	$200.00	
1536	4815 CABOT	65	87,930	39.884	CLASSIC	240	$200.00	$200.00	
1537	4815 CABOT	61	87,683	39.772	CLASSIC	240	$200.00	$200.00	
1538	4815 CABOT	60	86,653	39.305	CLASSIC	240	$200.00	$200.00	
1539	4815 CABOT	60	87,316	39.606	CLASSIC	240	$200.00	$200.00	
1540	4815 CABOT	61	87,917	39.879	CLASSIC	240	$200.00	$200.00	
1541	4815 CABOT	14	20,269	9.194	CLASSIC	240	$200.00	$200.00	
1542	4815 CABOT	54	87,597	39.733	CLASSIC	240	$200.00	$200.00	
1543	4815 CABOT	14	22,654	10.276	CLASSIC	240	$200.00	$200.00	
1544	6490 LYNCH	60	86,761	39.354	CLASSIC	240	$200.00	$200.00	
1545	6490 LYNCH	60	86,857	39.398	CLASSIC	240	$200.00	$200.00	
1546	6490 LYNCH	60	86,662	39.309	CLASSIC	240	$200.00	$200.00	
1547	6490 LYNCH	10	14,471	6.564	CLASSIC	240	$200.00	$200.00	
1548	151 LAFAYETTE	55	87,243	39.573	CLASSIC	240	$200.00	$200.00	
1549	151 LAFAYETTE	58	87,515	39.696	CLASSIC	240	$200.00	$200.00	
1550	151 LAFAYETTE	55	86,828	39.385	CLASSIC	240	$200.00	$200.00	
1551	151 LAFAYETTE	54	87,585	39.728	CLASSIC	240	$200.00	$200.00	
1552	151 LAFAYETTE	56	86,968	39.448	CLASSIC	240	$200.00	$200.00	
1553	151 LAFAYETTE	57	86,636	39.297	CLASSIC	240	$200.00	$200.00	
1554	151 LAFAYETTE	61	86,614	39.287	CLASSIC	240	$200.00	$200.00	
1555	151 LAFAYETTE	59	87,217	39.561	CLASSIC	240	$200.00	$200.00	
1556	151 LAFAYETTE	54	87,501	39.690	CLASSIC	240	$200.00	$200.00	
1557	151 LAFAYETTE	57	86,436	39.207	CLASSIC	240	$200.00	$200.00	
1558	151 LAFAYETTE	59	87,517	39.697	CLASSIC	240	$200.00	$200.00	
1559	151 LAFAYETTE	58	87,130	39.522	CLASSIC	240	$200.00	$200.00	
1560	151 LAFAYETTE	57	82,726	37.524	CLASSIC	240	$200.00	$200.00	
1561	6490 LYNCH	41	55,219	25.047	CHAMPION	3979-03	$215.00	$215.00	
1562	12850 E. NINE MILE RD.	60	86,986	39.456	ALGER	4556-03	$235.00	$235.00	
1563	12850 E. NINE MILE RD	60	86,984	39.455	CHAMPION	4557-03	$235.00	$235.00	
1564	12850 E. NINE MILE RD.	60	87,017	39.470	CHIEFS	4558-03	$235.00	$235.00	
1565	12850 E. NINE MILE RD.	60	87,021	39.472	CHAMPION	4559-03	$235.00	$235.00	
1566	12850 E. NINE MILE RD.	60	86,624	39.292	CHAMPION	4560-03	$235.00	$235.00	
1567	12850 E. NINE MILE RD.	60	86,975	39.451	CHIEFS	4561-03	$235.00	$235.00	
1568	12850 E. NINE MILE RD.	56	86,706	39.329	ALGER	4562-03	$235.00	$235.00	
1569	12850 E. NINE MILE RD.	58	87,509	39.693	L&R	4563-03	$235.00	$235.00	
1570	12850 E. NINE MILE RD.	58	87,748	39.802	CHAMPION	4564-03	$235.00	$235.00	
1571	12850 E. NINE MILE RD.	57	87,402	39.645	ALGER	4565-03	$235.00	$235.00	
1572	1200 E. MCNICHOLS	56	87,515	39.696	CHAMPION	3540-03	$260.00	$260.00	
1573	1200 E. MCNICHOLS	53	86,547	39.257	CHAMPION	3928-03	$260.00	$260.00	
1574	1200 E. MCNICHOLS	53	86,468	39.221	CHAMPION	3929-03	$260.00	$260.00	
1575	1200 E. MCNICHOLS	53	86,427	39.203	L&R	3930-03	$260.00	$260.00	

	A	B	C	D	E	F	G
1576	BAR3931	111/2150A	5-Nov-13	151 LAFAYETTE	ABI	TBAR	5-Nov-13
1577	BAR3932	108/2140	5-Nov-13	151 LAFAYETTE	ABI	TBAR	5-Nov-13
1578	BAR3933	095/17A	5-Nov-13	151 LAFAYETTE	ABI/ALMA	TBAR/SOW	5-Nov-13
1579	BAR3934	111/2150A	5-Nov-13	151 LAFAYETTE	ABI/LMA	TBAR/SOW	5-Nov-13
1580	BAR3935	108/2140A	5-Nov-13	151 LAFAYETTE	ABI	TBAR	5-Nov-13
1581	BAR3936	3140/2133A	5-Nov-13	151 LAFAYETTE	ABI/ABCQ	TBAR	5-Nov-13
1582	BAR3937	108/2140A	5-Nov-13	151 LAFAYETTE	ABCQ	TBAR	5-Nov-13
1583	BAR3938	3140/2133A	5-Nov-13	151 LAFAYETTE	ABCQ	TBAR	5-Nov-13
1584	BAR3939	095/17A	5-Nov-13	151 LAFAYETTE	ABCQ	TBAR	5-Nov-13
1585	BAR3941LTL	095/17A	5-Nov-13	151 LAFAYETTE	ABI	TBAR	5-Nov-13
1586	BAR4123	35/35A	5-Nov-13	2599 22ND ST	ABCQ	TBAR	5-Nov-13
1587	BAR4124	35/35A	5-Nov-13	2599 22ND ST	ABCQ/ME ALCOA	TBAR/SOW	5-Nov-13
1588	BAR4125	78/2147A	5-Nov-13	2599 22ND ST	ALCOA/ABCQ	SOW/TBAR	5-Nov-13
1589	BAR4126	35/35A	5-Nov-13	2599 22ND ST	ME ALCOA/ALCOA	SOW	5-Nov-13
1590	BAR4127	78/2147A	5-Nov-13	2599 22ND ST	ME ALCOA	SOW	5-Nov-13
1591	BAR4134	35/35A	5-Nov-13	2599 22ND ST	ME ALCOA	SOW	5-Nov-13
1592	BAR4135	78/2147A	5-Nov-13	2599 22ND ST	ME ALCOA	SOW	5-Nov-13
1593	BAR4136	35/35A	5-Nov-13	2599 22ND ST	ME ALCOA	SOW	5-Nov-13
1594	BAR4137LTL	78/2147A	5-Nov-13	2599 22ND ST	ME ALCOA	SOW	5-Nov-13
1595	BAR4484	92/4577	5-Nov-13	20495 PENNSYLVANIA RD	ALOUETTE	SOW	5-Nov-13
1596	BAR4489	92/4577	5-Nov-13	20495 PENNSYLVANIA RD	ALOUETTE	SOW	5-Nov-13
1597	BAR4485	357/357A	5-Nov-13	20495 PENNSYLVANIA RD	ALOUETTE	SOW	5-Nov-13
1598	BAR4486	357/357A	5-Nov-13	20495 PENNSYLVANIA RD	ALOUETTE	SOW	5-Nov-13
1599	BAR4488	357/8014	5-Nov-13	20495 PENNSYLVANIA RD	ALOUETTE	SOW	5-Nov-13
1600	BAR4487	92/4577	5-Nov-13	20495 PENNSYLVANIA RD	ALOUETTE	SOW	5-Nov-13
1601	BAR4333	611B/611A	6-Nov-13	7900 N. HAGGERTY	ABCQ	TBAR	6-Nov-13
1602	BAR4334	194/4593	6-Nov-13	7900 N. HAGGERTY	ABCQ	TBAR	6-Nov-13
1603	BAR4335	33/611A/B	6-Nov-13	7900 N. HAGGERTY	ABCQ	TBAR	6-Nov-13
1604	BAR4336	194/4593	6-Nov-13	7900 N. HAGGERTY	ABCQ	TBAR	6-Nov-13
1605	BAR4337	L20/9942	6-Nov-13	7900 N. HAGGERTY	ABCQ/DESCHAMBAULT	TBAR	6-Nov-13
1606	BAR4338	6/6B	6-Nov-13	7900 N. HAGGERTY	DESCHAMBAULT/SHA	TBAR/SOW	6-Nov-13
1607	BAR4372	108/880	6-Nov-13	26090 23 MILE RD	ABCQ	TBAR	6-Nov-13
1608	BAR4373	119/5428	6-Nov-13	26090 23 MILE RD	ABCQ	TBAR	6-Nov-13
1609	BAR4374	520/2112	6-Nov-13	26090 23 MILE RD	ABCQ	TBAR	6-Nov-13
1610	BAR4375	108/880	6-Nov-13	26090 23 MILE RD	ABCQ	TBAR	6-Nov-13
1611	BAR4376	520/2112	6-Nov-13	26090 23 MILE RD	ABCQ	TBAR	6-Nov-13
1612	BAR4377	108/880	6-Nov-13	26090 23 MILE RD	ABCQ	TBAR	6-Nov-13
1613	BAR4378	119/5428	6-Nov-13	26090 23 MILE RD	ABCQ	TBAR	6-Nov-13
1614	BAR4379	520/2112	6-Nov-13	26090 23 MILE RD	ABCQ	TBAR	6-Nov-13
1615	BAR4380	119/5428	6-Nov-13	26090 23 MILE RD	ABCQ	TBAR	6-Nov-13
1616	BAR4381	108/880	6-Nov-13	26090 23 MILE RD	ABCQ	TBAR	6-Nov-13
1617	BAR4382	520/2112	6-Nov-13	26090 23 MILE RD	ABCQ	TBAR	6-Nov-13
1618	BAR4383	119/5428	6-Nov-13	26090 23 MILE RD	ABCQ	TBAR	6-Nov-13
1619	BAR4384	108/880	6-Nov-13	26090 23 MILE RD	ABCQ	TBAR	6-Nov-13
1620	BAR4385	108/880	6-Nov-13	26090 23 MILE RD	ABCQ/SHA	TBAR/SOW	6-Nov-13

	H	I	J	K	L	M	N	O	P
1576	1200 E. MCNICHOLS	54	87,950	39.893	CHAMPION	3931-03	$260.00	$260.00	
1577	1200 E. MCNICHOLS	54	87,755	39.805	CHAMPION	3932-03	$260.00	$260.00	
1578	1200 E. MCNICHOLS	56	87,291	39.595	L&R	3933-03	$260.00	$260.00	
1579	1200 E. MCNICHOLS	58	86,571	39.268	CHAMPION	3934-03	$260.00	$260.00	
1580	1200 E. MCNICHOLS	53	86,429	39.204	CHAMPION	3935-03	$260.00	$260.00	
1581	1200 E. MCNICHOLS	54	87,700	39.760	CHIEFS	3936-03	$260.00	$260.00	
1582	1200 E. MCNICHOLS	55	87,323	39.609	CHAMPION	3937-03	$260.00	$260.00	
1583	1200 E. MCNICHOLS	55	87,103	39.509	CHIEFS	3938-03	$260.00	$260.00	
1584	1200 E. MCNICHOLS	55	87,132	39.522	L&R	3939-03	$260.00	$260.00	
1585	1200 E. MCNICHOLS	23	34,545	15.669	L&R	3941-03	$260.00	$260.00	
1586	36555 ECORSE RD	55	87,345	39.619	FULL CIRCLE	4123-03	$260.00	$260.00	
1587	36556 ECORSE RD	60	87,938	39.888	FULL CIRCLE	4124-03	$260.00	$260.00	
1588	36557 ECORSE RD	57	87,168	39.539	FULL CIRCLE	4125-03	$260.00	$260.00	
1589	36558 ECORSE RD	65	87,685	39.773	FULL CIRCLE	4126-03	$260.00	$260.00	
1590	36559 ECORSE RD	64	86,907	39.420	FULL CIRCLE	4127-03	$260.00	$260.00	
1591	36560 ECORSE RD	62	87,257	39.579	FULL CIRCLE	4134-03	$260.00	$260.00	
1592	36561 ECORSE RD	65	87,481	39.681	FULL CIRCLE	4135-03	$260.00	$260.00	
1593	36562 ECORSE RD	66	87,393	39.641	FULL CIRCLE	4136-3	$260.00	$260.00	
1594	36563 ECORSE RD	57	74,856	33.954	FULL CIRCLE	4137-03	$260.00	$260.00	
1595	36555 ECORSE RD	55	87,448	39.666	JP GRAHAM	13367.01	$270.00	$270.00	
1596	36555 ECORSE RD	55	87,821	39.835	JP GRAHAM	13370	$270.00	$270.00	
1597	36555 ECORSE RD	54	86,506	39.239	JP GRAHAM	13425	$270.00	$270.00	
1598	36555 ECORSE RD	56	87,303	39.600	JP GRAHAM	13432	$270.00	$270.00	
1599	36555 ECORSE RD	55	87,629	39.748	JP GRAHAM	13434	$270.00	$270.00	
1600	36555 ECORSE RD	55	87,429	39.657	JP GRAHAM	13537	$270.00	$270.00	
1601	36555 ECORSE RD	58	87,746	39.801	CLASSIC	240	$200.00	$200.00	
1602	36555 ECORSE RD	54	86,404	39.192	CLASSIC	240	$200.00	$200.00	
1603	36555 ECORSE RD	55	87,891	39.867	CLASSIC	240	$200.00	$200.00	
1604	36555 ECORSE RD	55	87,923	39.881	CLASSIC	240	$200.00	$200.00	
1605	36555 ECORSE RD	56	87,741	39.799	CLASSIC	240	$200.00	$200.00	
1606	36555 ECORSE RD	56	86,706	39.329	CLASSIC	240	$200.00	$200.00	
1607	151 LAFAYETTE	61	87,256	39.579	CLASSIC	240	$200.00	$200.00	
1608	151 LAFAYETTE	62	88,760	40.261	CLASSIC	240	$200.00	$200.00	
1609	151 LAFAYETTE	61	87,222	39.563	CLASSIC	240	$200.00	$200.00	
1610	151 LAFAYETTE	61	86,928	39.430	CLASSIC	240	$200.00	$200.00	
1611	151 LAFAYETTE	57	86,972	39.450	CLASSIC	240	$200.00	$200.00	
1612	151 LAFAYETTE	56	87,963	39.899	CLASSIC	240	$200.00	$200.00	
1613	151 LAFAYETTE	55	87,796	39.824	CLASSIC	240	$200.00	$200.00	
1614	151 LAFAYETTE	55	87,140	39.526	CLASSIC	240	$200.00	$200.00	
1615	151 LAFAYETTE	57	87,664	39.764	CLASSIC	240	$200.00	$200.00	
1616	151 LAFAYETTE	57	87,201	39.554	CLASSIC	240	$200.00	$200.00	
1617	151 LAFAYETTE	55	87,881	39.862	CLASSIC	240	$200.00	$200.00	
1618	151 LAFAYETTE	55	87,876	39.860	CLASSIC	240	$200.00	$200.00	
1619	151 LAFAYETTE	55	87,896	39.869	CLASSIC	240	$200.00	$200.00	
1620	151 LAFAYETTE	54	86,856	39.397	CLASSIC	240	$200.00	$200.00	

	A	B	C	D	E	F	G
1621	BAR4386	520/2112	6-Nov-13	26090 23 MILE RD	SHA/ABCQ	SOW/TBAR	6-Nov-13
1622	BAR4387	520/2112	6-Nov-13	26090 23 MILE RD	ABCQ	TBAR	6-Nov-13
1623	BAR4672	119/5428	6-Nov-13	26090 23 MILE RD	ABCQ	TBAR	6-Nov-13
1624	BAR4673LTL	119/5428	6-Nov-13	26090 23 MILE RD	ABCQ	TBAR	6-Nov-13
1625	BAR4258	35/35A	6-Nov-13	2599 22ND ST	ABI	TBAR	6-Nov-13
1626	BAR4259	35/35A	6-Nov-13	2599 22ND ST	ABI/ABCQ	TBAR	6-Nov-13
1627	BAR4260	35/35A	6-Nov-13	2599 22ND ST	ABCQ	TBAR	6-Nov-13
1628	BAR4261	314/2133A	6-Nov-13	2599 22ND ST	ABCQ	TBAR	6-Nov-13
1629	BAR4262	35/35A	6-Nov-13	2599 22ND ST	ABCQ	TBAR	6-Nov-13
1630	BAR4475	094/17A	6-Nov-13	12850 E. NINE MILE RD	SHA	SOW	6-Nov-13
1631	BAR4476	094/17A	6-Nov-13	12850 E. NINE MILE RD	SHA	SOW	6-Nov-13
1632	BAR4477	094/17A	6-Nov-13	12850 E. NINE MILE RD	SHA	SOW	6-Nov-13
1633	BAR4478	094/17A	6-Nov-13	12850 E. NINE MILE RD	SHA	SOW	6-Nov-13
1634	BAR4572	108/2140A	6-Nov-13	151 LAFAYETTE	DESCHAMBAULT	TBAR	6-Nov-13
1635	BAR4566	108/2140A	6-Nov-13	151 LAFAYETTE	ABI	TBAR	6-Nov-13
1636	BAR4567	711/2138A	6-Nov-13	151 LAFAYETTE	ABI	TBAR	6-Nov-13
1637	BAR4568	111/2150A	6-Nov-13	151 LAFAYETTE	ABI/DESCHAMBAULT	TBAR	6-Nov-13
1638	BAR4569	108/2140A	6-Nov-13	151 LAFAYETTE	DESCHAMBAULT	TBAR	6-Nov-13
1639	BAR4570	711/2138A	6-Nov-13	151 LAFAYETTE	DESCHAMBAULT	TBAR	6-Nov-13
1640	BAR4571	111/2150A	6-Nov-13	151 LAFAYETTE	DESCHAMBAULT	TBAR	6-Nov-13
1641	BAR4573	711/2138A	6-Nov-13	151 LAFAYETTE	DESCHAMBAULT	TBAR	6-Nov-13
1642	BAR4574	108/2140A	6-Nov-13	151 LAFAYETTE	DESCHAMBAULT	TBAR	6-Nov-13
1643	BAR4575	711/2138A	6-Nov-13	151 LAFAYETTE	DESCHAMBAULT	TBAR	6-Nov-13
1644	BAR4166	3140/21338	6-Nov-13	1200 E. MCNICHOLS	ABI	TBAR	6-Nov-13
1645	BAR4167	2133/2141A	6-Nov-13	1200 E. MCNICHOLS	ABI	TBAR	6-Nov-13
1646	BAR4168	3140/21338	6-Nov-13	1200 E. MCNICHOLS	ABI	TBAR	6-Nov-13
1647	BAR4169	2133/2140A	6-Nov-13	1200 E. MCNICHOLS	ABI	TBAR	6-Nov-13
1648	BAR4170	2133/2141A	6-Nov-13	1200 E. MCNICHOLS	ABI	TBAR	6-Nov-13
1649	BAR4284	7855B	6-Nov-13	6307 WEST FORT ST	ABCQ	TBAR	6-Nov-13
1650	BAR4286	7855B	6-Nov-13	6307 WEST FORT ST	ABCQ	TBAR	6-Nov-13
1651	BAR4285	7904B	6-Nov-13	6307 WEST FORT ST	ABCQ	TBAR	6-Nov-13
1652	BAR4287	7904B	6-Nov-13	6307 WEST FORT ST	ABCQ	TBAR	6-Nov-13
1653	BAR4490	91/4477	6-Nov-13	20495 PENNSYLVANIA RD	ALOUETTE	SOW	6-Nov-13
1654	BAR4493	91/4477	6-Nov-13	20495 PENNSYLVANIA RD	ALOUETTE	SOW	6-Nov-13
1655	BAR4495	91/4477	6-Nov-13	20495 PENNSYLVANIA RD	ALOUETTE	SOW	6-Nov-13
1656	BAR4492	357/357A	6-Nov-13	20495 PENNSYLVANIA RD	ALOUETTE	SOW	6-Nov-13
1657	BAR4496	92/92A	6-Nov-13	20495 PENNSYLVANIA RD	ALOUETTE	SOW	6-Nov-13
1658	BAR4494	92/92A	6-Nov-13	20495 PENNSYLVANIA RD	ALOUETTE	SOW	6-Nov-13
1659	BAR4491	92/92A	6-Nov-13	20495 PENNSYLVANIA RD	ALOUETTE	SOW	6-Nov-13
1660	BAR4497	007/007A	6-Nov-13	20495 PENNSYLVANIA RD	ALOUETTE	SOW	6-Nov-13
1661	BAR4239	L20/A/B	6-Nov-13	17423 WEST JEFFERSON	ABCQ	TBAR	6-Nov-13
1662	BAR4240	6A/B	6-Nov-13	17423 WEST JEFFERSON	ABCQ	TBAR	6-Nov-13
1663	BAR4241	4B	6-Nov-13	17423 WEST JEFFERSON	ABCQ	TBAR	6-Nov-13
1664	BAR4242	611A/B	6-Nov-13	17423 WEST JEFFERSON	ABCQ	TBAR	6-Nov-13
1665	BAR4339	194/4593	7-Nov-13	7900 N. HAGGERTY	SHA	SOW	7-Nov-13

	H	I	J	K	L	M	N	O	P
1621	151 LAFAYETTE	54	87,073	39.496	CLASSIC	240	$200.00	$200.00	
1622	151 LAFAYETTE	55	86,401	39.191	CLASSIC	240	$200.00	$200.00	
1623	26090 23 MILE ROAD A	55	87,926	39.883	CLASSIC	240	$200.00	$200.00	
1624	26090 23 MILE ROAD A	13	20,744	9.409	CLASSIC	240	$200.00	$200.00	
1625	4815 CABOT	54	87,404	39.646	FULL CIRCLE	4258-03	$215.00	$215.00	
1626	4815 CABOT	54	86,530	39.249	FULL CIRCLE	4259-03	$215.00	$215.00	
1627	4815 CABOT	57	87,188	39.548	FULL CIRCLE	4260-03	$215.00	$215.00	
1628	4815 CABOT	60	86,937	39.434	CHIEFS	4261-03	$215.00	$215.00	
1629	4815 CABOT	58	87,169	39.539	FULL CIRCLE	4262-03	$215.00	$215.00	
1630	13542 HELEN	53	87,213	39.559	L&R	4475-03	$215.00	$215.00	
1631	13542 HELEN	53	87,014	39.469	L&R	4476-03	$215.00	$215.00	
1632	13542 HELEN	53	86,818	39.380	L&R	4477-03	$215.00	$215.00	
1633	13542 HELEN	53	87,034	39.478	L&R	4478-03	$215.00	$215.00	
1634	12850 E. NINE MILE RD.	58	87,563	39.718	CHAMPION	4572-03	$215.00	$215.00	
1635	12850 E. NINE MILE RD.	59	86,599	39.281	CHAMPION	4566-03	$235.00	$235.00	
1636	12850 E. NINE MILE RD.	56	86,515	39.243	ALGER	4567-03	$235.00	$235.00	
1637	12850 E. NINE MILE RD.	58	87,675	39.769	CHAMPION	4568-03	$235.00	$235.00	
1638	12850 E. NINE MILE RD.	58	87,559	39.716	CHAMPION	4569-03	$235.00	$235.00	
1639	12850 E. NINE MILE RD.	56	87,485	39.683	ALGER	4570-03	$235.00	$235.00	
1640	12850 E. NINE MILE RD	58	87,590	39.730	CHAMPION	4571-03	$235.00	$235.00	
1641	12850 E. NINE MILE RD.	58	87,563	40.098	ALGER	4573-03	$235.00	$235.00	
1642	12850 E. NINE MILE RD.	58	87,521	39.699	CHAMPION	4574-03	$235.00	$235.00	
1643	12850 E. NINE MILE RD.	58	87,553	39.713	ALGER	4575-03	$235.00	$235.00	
1644	1725 Cicotte	61	87,718	39.788	CHIEFS	4166-03	$245.00	$245.00	
1645	1725 Cicotte	61	87,480	39.680	CHAMPION	4167-03	$245.00	$245.00	
1646	1725 Cicotte	61	87,699	39.780	CHIEFS	4168-03	$245.00	$245.00	
1647	1725 Cicotte	59	87,459	39.671	CHAMPION	4169-03	$245.00	$245.00	
1648	1725 Cicotte	58	86,715	39.333	CHAMPION	4170-03	$245.00	$245.00	
1649	4815 CABOT	57	86,966	39.447	ALCO	AD076533	$264.00	$264.00	
1650	4815 CABOT	27	42,174	19.130	ALCO	AD076534	$264.00	$264.00	
1651	4815 CABOT	54	77,176	35.006	ALCO	AD076535	$264.00	$264.00	
1652	4815 CABOT	55	86,780	39.363	ALCO	AD076536	$264.00	$264.00	
1653	36555 ECORSE RD	55	87,222	39.563	JP GRAHAM	13381	$270.00	$270.00	
1654	36555 ECORSE RD	55	87,911	39.876	JP GRAHAM	13382	$270.00	$270.00	
1655	36555 ECORSE RD	55	87,482	39.681	JP GRAHAM	13384	$270.00	$270.00	
1656	36555 ECORSE RD	55	87,927	39.883	JP GRAHAM	13391.01	$270.00	$270.00	
1657	36555 ECORSE RD	55	87,298	39.598	JP GRAHAM	13440	$270.00	$270.00	
1658	36555 ECORSE RD	55	87,850	39.848	JP GRAHAM	13443	$270.00	$270.00	
1659	36555 ECORSE RD	55	87,452	39.668	JP GRAHAM	13444	$270.00	$270.00	
1660	36555 ECORSE RD	55	87,405	39.646	JP GRAHAM	13463	$270.00	$270.00	
1661	36555 ECORSE RD	58	87,121	39.517	CLASSIC	240	$275.00	$275.00	
1662	36555 ECORSE RD	56	87,078	39.498	CLASSIC	240	$275.00	$275.00	
1663	36555 ECORSE RD	55	87,907	39.874	CLASSIC	240	$275.00	$275.00	
1664	36555 ECORSE RD	56	86,814	39.378	CLASSIC	240	$275.00	$275.00	
1665	36555 ECORSE RD	53	86,386	39.184	CLASSIC	240	$200.00	$200.00	

	A	B	C	D	E	F	G
1666	BAR4340	6/6A	7-Nov-13	7900 N. HAGGERTY	SHA	SOW	7-Nov-13
1667	BAR4341	33/01A/B11B	7-Nov-13	7900 N. HAGGERTY	SHA	SOW	7-Nov-13
1668	BAR4342	L20/9942	7-Nov-13	7900 N. HAGGERTY	SHA	SOW	7-Nov-13
1669	BAR4343	194/4593	7-Nov-13	7900 N. HAGGERTY	SHA	SOW	7-Nov-13
1670	BAR4344	33/611A/B	7-Nov-13	7900 N. HAGGERTY	SHA	SOW	7-Nov-13
1671	BAR4388	520/2112	7-Nov-13	26090 23 MILE RD	ABCQ	TBAR	7-Nov-13
1672	BAR4389	924/5428	7-Nov-13	26090 23 MILE RD	ABCQ	TBAR	7-Nov-13
1673	BAR4390	108/880	7-Nov-13	26090 23 MILE RD	ABCQ	TBAR	7-Nov-13
1674	BAR4391	520/2112	7-Nov-13	26090 23 MILE RD	ABCQ	TBAR	7-Nov-13
1675	BAR4392	924/5428	7-Nov-13	26090 23 MILE RD	ABCQ	TBAR	7-Nov-13
1676	BAR4393	108/880	7-Nov-13	26090 23 MILE RD	ABCQ	TBAR	7-Nov-13
1677	BAR4394	520/2112	7-Nov-13	26090 23 MILE RD	ABCQ	TBAR	7-Nov-13
1678	BAR4395	924/5428	7-Nov-13	26090 23 MILE RD	ABCQ/ALOUETTE	TBAR/SOW	7-Nov-13
1679	BAR4396	924/5428	7-Nov-13	26090 23 MILE RD	ALOUETTE/ABCQ	SOW/TBAR	7-Nov-13
1680	BAR4397	108/880	7-Nov-13	26090 23 MILE RD	ABCQ	TBAR	7-Nov-13
1681	BAR4398	520/2112	7-Nov-13	26090 23 MILE RD	ABCQ	TBAR	7-Nov-13
1682	BAR4399	108/880	7-Nov-13	26090 23 MILE RD	ABCQ	TBAR	7-Nov-13
1683	BAR4400	520/2112	7-Nov-13	26090 23 MILE RD	ALOUETTE/ABCQ	TBAR/SOW	7-Nov-13
1684	BAR4401	924/5428	7-Nov-13	26090 23 MILE RD	SHA/ALOUETTE	SOW	7-Nov-13
1685	BAR4402	108/880	7-Nov-13	26090 23 MILE RD	SHA	SOW	7-Nov-13
1686	BAR4140	413	7-Nov-13	6490 LYNCH	ABCQ	TBAR	7-Nov-13
1687	BAR4141	413	7-Nov-13	6490 LYNCH	ABCQ	TBAR	7-Nov-13
1688	BAR4142	413	7-Nov-13	6490 LYNCH	ABCQ	TBAR	7-Nov-13
1689	BAR4143	413	7-Nov-13	6490 LYNCH	ABCQ	TBAR	7-Nov-13
1690	BAR4144	413	7-Nov-13	6490 LYNCH	ABCQ	TBAR	7-Nov-13
1691	BAR4263	35/35A	7-Nov-13	2599 22ND ST	ABCQ	TBAR	7-Nov-13
1692	BAR4264	35/35A	7-Nov-13	2599 22ND ST	ABCQ	TBAR	7-Nov-13
1693	BAR4265	35/35A	7-Nov-13	2599 22ND ST	ABCQ	TBAR	7-Nov-13
1694	BAR4266	35/35A	7-Nov-13	2599 22ND ST	ABCQ	TBAR	7-Nov-13
1695	BAR4267	35/35A	7-Nov-13	2599 22ND ST	ABCQ	TBAR	7-Nov-13
1696	BAR4479	094/17A	7-Nov-13	12850 E. NINE MILE RD	SHA/ABCQ	SOW/TBAR	7-Nov-13
1697	BAR4480	094/17A	7-Nov-13	12850 E. NINE MILE RD	ABCQ	TBAR	7-Nov-13
1698	BAR4481	094/17A	7-Nov-13	12850 E. NINE MILE RD	ABCQ	TBAR	7-Nov-13
1699	BAR4482	094/17A	7-Nov-13	12850 E. NINE MILE RD	ABCQ	TBAR	7-Nov-13
1700	BAR4483LTL	094/017A	7-Nov-13	12850 E. NINE MILE RD	ABCQ	TBAR	7-Nov-13
1701	BAR4576	711/2138A	7-Nov-13	151 LAFAYETTE	DESCHAMBAULT	TBAR	7-Nov-13
1702	BAR4577	711/2138A	7-Nov-13	151 LAFAYETTE	DESCHAMBAULT	TBAR	7-Nov-13
1703	BAR4578	711/2138A	7-Nov-13	151 LAFAYETTE	DESCHAMBAULT	TBAR	7-Nov-13
1704	BAR4579	1004/1005	7-Nov-13	151 LAFAYETTE	DESCHAMBAULT	TBAR	7-Nov-13
1705	BAR4580	111/2150A	7-Nov-13	151 LAFAYETTE	DESCHAMBAULT	TBAR	7-Nov-13
1706	BAR4581	108/2140A	7-Nov-13	151 LAFAYETTE	ABCQ/DESCHAMBAULT	TBAR	7-Nov-13
1707	BAR4582	711/2138A	7-Nov-13	151 LAFAYETTE	ABCQ	TBAR	7-Nov-13
1708	BAR4583	3140/2133A	7-Nov-13	151 LAFAYETTE	ABCQ	TBAR	7-Nov-13
1709	BAR4584	711/2138A	7-Nov-13	151 LAFAYETTE	ABCQ	TBAR	7-Nov-13
1710	BAR4585	3140/2133A	7-Nov-13	151 LAFAYETTE	ABCQ	TBAR	7-Nov-13

	H	I	J	K	L	M	N	O	P
1666	36555 ECORSE RD	54	87,896	39,869	CLASSIC	240	$200.00	$200.00	
1667	36555 ECORSE RD	53	86,539	39,253	CLASSIC	240	$200.00	$200.00	
1668	36555 ECORSE RD	54	87,872	39,858	CLASSIC	240	$200.00	$200.00	
1669	36555 ECORSE RD	54	87,859	39,852	CLASSIC	240	$200.00	$200.00	
1670	36555 ECORSE RD	54	87,440	39,662	CLASSIC	240	$200.00	$200.00	
1671	151 LAFAYETTE	55	87,857	39,851	CLASSIC	240	$200.00	$200.00	
1672	151 LAFAYETTE	55	87,885	39,864	CLASSIC	240	$200.00	$200.00	
1673	151 LAFAYETTE	56	87,488	39,684	CLASSIC	240	$200.00	$200.00	
1674	151 LAFAYETTE	55	87,514	39,696	CLASSIC	240	$200.00	$200.00	
1675	151 LAFAYETTE	55	87,951	39,894	CLASSIC	240	$200.00	$200.00	
1676	151 LAFAYETTE	56	87,951	39,894	CLASSIC	240	$200.00	$200.00	
1677	151 LAFAYETTE	57	87,918	39,879	CLASSIC	240	$200.00	$200.00	
1678	151 LAFAYETTE	57	86,579	39,272	CLASSIC	240	$200.00	$200.00	
1679	151 LAFAYETTE	55	87,244	39,573	CLASSIC	240	$200.00	$200.00	
1680	151 LAFAYETTE	55	87,946	39,892	CLASSIC	240	$200.00	$200.00	
1681	151 LAFAYETTE	55	87,315	39,605	CLASSIC	240	$200.00	$200.00	
1682	151 LAFAYETTE	55	86,912	39,423	CLASSIC	240	$200.00	$200.00	
1683	151 LAFAYETTE	55	87,686	39,774	CLASSIC	240	$200.00	$200.00	
1684	151 LAFAYETTE	53	86,507	39,239	CLASSIC	240	$200.00	$200.00	
1685	151 LAFAYETTE	53	87,074	39,496	CLASSIC	240	$200.00	$200.00	
1686	8650 MT. ELLIOTT	61	87,286	39,592	CHAMPION	4140-03	$215.00	$215.00	
1687	8650 MT. ELLIOTT	61	87,226	39,565	CHAMPION	4141-03	$215.00	$215.00	
1688	8650 MT. ELLIOTT	61	87,221	39,563	CHAMPION	4142-03	$215.00	$215.00	
1689	8650 MT. ELLIOTT	57	87,136	39,524	CHAMPION	4143-03	$215.00	$215.00	
1690	8650 MT. ELLIOTT	57	87,399	39,644	CHAMPION	4144-03	$215.00	$215.00	
1691	4815 CABOT	58	87,955	39,896	FULL CIRCLE	4263-03	$215.00	$215.00	
1692	4815 CABOT	56	87,750	39,803	FULL CIRCLE	4264-03	$215.00	$215.00	
1693	4815 CABOT	55	87,980	39,907	FULL CIRCLE	4265-03	$215.00	$215.00	
1694	4815 CABOT	56	87,391	39,640	FULL CIRCLE	4266-03	$215.00	$215.00	
1695	4815 CABOT	56	86,844	39,392	FULL CIRCLE	4267-03	$215.00	$215.00	
1696	13542 HELEN	54	86,940	39,435	L&R	4479-03	$215.00	$215.00	
1697	13542 HELEN	55	87,968	39,902	L&R	4480-03	$215.00	$215.00	
1698	13542 HELEN	56	87,678	39,770	L&R	4481-03	$215.00	$215.00	
1699	13542 HELEN	58	86,737	39,343	L&R	4482-03	$215.00	$215.00	
1700	13542 HELEN	5	7,738	3,510	L&R	4483-03	$215.00	$215.00	
1701	12850 E. NINE MILE RD.	58	87,634	39,750	ALGER	4576-03	$235.00	$235.00	
1702	12850 E. NINE MILE RD.	58	87,563	39,718	ALGER	4577-03	$235.00	$235.00	
1703	12850 E. NINE MILE RD.	58	87,709	39,784	ALGER	4578-03	$235.00	$235.00	
1704	12850 E. NINE MILE RD.	58	87,609	39,739	ALGER	4579-03	$235.00	$235.00	
1705	12850 E. NINE MILE RD.	58	87,517	39,697	CHAMPION	4580-03	$235.00	$235.00	
1706	12850 E. NINE MILE RD.	60	87,367	39,629	CHAMPION	4581-03	$235.00	$235.00	
1707	12850 E. NINE MILE RD.	61	87,829	39,839	ALGER	4582-03	$235.00	$235.00	
1708	12850 E. NINE MILE RD.	55	86,597	39,280	CHIEFS	4583-03	$235.00	$235.00	
1709	12850 E. NINE MILE RD.	55	87,747	39,801	ALGER	4584-03	$235.00	$235.00	
1710	12850 E. NINE MILE RD.	56	89,576	40,632	CHIEFS	4585-03	$235.00	$235.00	

	A	B	C	D	E	F	G
1711	BAR4171	108/2140A	7-Nov-13	1200 E. MCNICHOLS	ABI	TBAR	7-Nov-13
1712	BAR4172	108/2140A	7-Nov-13	1200 E. MCNICHOLS	ABI	TABR	7-Nov-13
1713	BAR4288	7855B	7-Nov-13	6307 WEST FORT ST	ABCQ	TBAR	7-Nov-13
1714	BAR4290	7855B	7-Nov-13	6307 WEST FORT ST	ABCQ	TBAR	7-Nov-13
1715	BAR4291	7904B	7-Nov-13	6307 WEST FORT ST	ABCQ	TBAR	7-Nov-13
1716	BAR4289	7904B	7-Nov-13	6307 WEST FORT ST	ABCQ	TBAR	7-Nov-13
1717	BAR4501	620/670A	7-Nov-13	20495 PENNSYLVANIA RD	ALOUETTE	SOW	7-Nov-13
1718	BAR4504	670/670A	7-Nov-13	20495 PENNSYLVANIA RD	ALOUETTE	SOW	7-Nov-13
1719	BAR4499	357/8014	7-Nov-13	20495 PENNSYLVANIA RD	ALOUETTE	SOW	7-Nov-13
1720	BAR4505	357/8014	7-Nov-13	20495 PENNSYLVANIA RD	ALOUETTE	SOW	7-Nov-13
1721	BAR4502	357/814	7-Nov-13	20495 PENNSYLVANIA RD	ALOUETTE	SOW	7-Nov-13
1722	BAR4498	92/92A	7-Nov-13	20495 PENNSYLVANIA RD	ALOUETTE	SOW	7-Nov-13
1723	BAR4500	92/92A	7-Nov-13	20495 PENNSYLVANIA RD	ALOUETTE	SOW	7-Nov-13
1724	BAR4503	92/92A	7-Nov-13	20495 PENNSYLVANIA RD	ALOUETTE	SOW	7-Nov-13
1725	BAR4243	L20/A/B	7-Nov-13	17423 WEST JEFFERSON	ABCQ	TBAR	7-Nov-13
1726	BAR4244	611A/B	7-Nov-13	17423 WEST JEFFERSON	ABCQ	TBAR	7-Nov-13
1727	BAR4245	806	7-Nov-13	17423 WEST JEFFERSON	ABCQ	TBAR	7-Nov-13
1728	BAR4246	4B	7-Nov-13	17423 WEST JEFFERSON	ABCQ	TBAR	7-Nov-13
1729	BAR4345	33/611AB	8-Nov-13	7900 N. HAGGERTY	SHA	SOW	8-Nov-13
1730	BAR4346	194/4593	8-Nov-13	7900 N. HAGGERTY	SHA	SOW	8-Nov-13
1731	BAR4347	33/611AB	8-Nov-13	7900 N. HAGGERTY	SHA	SOW	8-Nov-13
1732	BAR4348	194/4593	8-Nov-13	7900 N. HAGGERTY	SHA	SOW	8-Nov-13
1733	BAR4349	33/611AB	8-Nov-13	7900 N. HAGGERTY	SHA	SOW	8-Nov-13
1734	BAR4350	093/9941	8-Nov-13	7900 N. HAGGERTY	SHA	SOW	8-Nov-13
1735	BAR4403	093/9941	8-Nov-13	26090 23 MILE RD	SHA	SOW	8-Nov-13
1736	BAR4404	520/2112	8-Nov-13	26090 23 MILE RD	SHA	SOW	8-Nov-13
1737	BAR4405	093/9941	8-Nov-13	26090 23 MILE RD	SHA/ABCQ	SOW/TBAR	8-Nov-13
1738	BAR4406	520/2112	8-Nov-13	26090 23 MILE RD	ABCQ/ALOUETTE	TBAR/SOW	8-Nov-13
1739	BAR4407	093/9941	8-Nov-13	26090 23 MILE RD	ALOUETTE	SOW	8-Nov-13
1740	BAR4408	520/2112	8-Nov-13	26090 23 MILE RD	ALOUETTE/ABCQ	TBAR/SOW	8-Nov-13
1741	BAR4409	093/9941	8-Nov-13	26090 23 MILE RD	ABCQ/SHA	TBAR/SOW	8-Nov-13
1742	BAR4410	520/2112	8-Nov-13	26090 23 MILE RD	SHA	SOW	8-Nov-13
1743	BAR4411	093/9941	8-Nov-13	26090 23 MILE RD	SHA	SOW	8-Nov-13
1744	BAR4412	520/2112	8-Nov-13	26090 23 MILE RD	SHA/ABCQ	SOW/TBAR	8-Nov-13
1745	BAR4413	093/9941	8-Nov-13	26090 23 MILE RD	ABCQ/SHA	TBAR/SOW	8-Nov-13
1746	BAR4145	78	8-Nov-13	6490 LYNCH	ABCQ	TBAR	8-Nov-13
1747	BAR4146	78	8-Nov-13	6490 LYNCH	ABCQ	TBAR	8-Nov-13
1748	BAR4147	78	8-Nov-13	6490 LYNCH	ABCQ	TBAR	8-Nov-13
1749	BAR4148LTL	78	8-Nov-13	6490 LYNCH	ABCQ	TBAR	8-Nov-13
1750	BAR4225LTL	35/35A	8-Nov-13	8650 MT. ELLIOTT	SHA	SOW	8-Nov-13
1751	BAR4268	35/35A	8-Nov-13	2599 22ND ST	ABCQ	TBAR	8-Nov-13
1752	BAR4269	35/35A	8-Nov-13	2599 22ND ST	ABCQ	TBAR	8-Nov-13
1753	BAR4270	35/35A	8-Nov-13	2599 22ND ST	ABCQ	TBAR	8-Nov-13
1754	BAR4271	35/35A	8-Nov-13	2599 22ND ST	ABCQ	TBAR	8-Nov-13
1755	BAR4272	35/35A	8-Nov-13	2599 22ND ST	ABCQ	TBAR	8-Nov-13

	H	I	J	K	L	M	N	O	P
1711	1725 Cicotte	58	87,211	39.558	CHAMPION	4171-03	$245.00	$245.00	
1712	1725 Cicotte	54	87,121	39.517	CHAMPION	4172-03	$245.00	$245.00	
1713	4815 CABOT	56	86,803	39.373	ALCO	AD076718	$264.00	$264.00	
1714	4815 CABOT	57	87,761	39.808	ALCO	AD076719	$264.00	$264.00	
1715	4815 CABOT	55	87,444	39.664	ALCO	AD076720	$264.00	$264.00	
1716	4815 CABOT	56	86,916	39.424	ALCO	AD076721	$264.00	$264.00	
1717	36555 ECORSE RD	55	87,741	39.799	JP GRAHAM	13405	$270.00	$270.00	
1718	36555 ECORSE RD	54	86,461	39.218	JP GRAHAM	13406	$270.00	$270.00	
1719	36555 ECORSE RD	55	87,759	39.807	JP GRAHAM	13419	$270.00	$270.00	
1720	36555 ECORSE RD	54	86,462	39.219	JP GRAHAM	13424	$270.00	$270.00	
1721	36555 ECORSE RD	55	87,063	39.491	JP GRAHAM	13435	$270.00	$270.00	
1722	36555 ECORSE RD	55	87,840	39.844	JP GRAHAM	13446	$270.00	$270.00	
1723	36555 ECORSE RD	55	87,180	39.544	JP GRAHAM	13448	$270.00	$270.00	
1724	36555 ECORSE RD	55	87,209	39.557	JP GRAHAM	13454	$270.00	$270.00	
1725	36555 ECORSE RD	57	87,093	39.505	CLASSIC	240	$275.00	$275.00	
1726	36555 ECORSE RD	56	86,725	39.338	CLASSIC	240	$275.00	$275.00	
1727	36555 ECORSE RD	56	87,686	39.774	CLASSIC	240	$275.00	$275.00	
1728	36555 ECORSE RD	58	87,717	39.788	CLASSIC	240	$275.00	$275.00	
1729	36555 ECORSE RD	54	87,572	39.722	CLASSIC	240	$200.00	$200.00	
1730	36555 ECORSE RD	54	87,588	39.729	CLASSIC	240	$200.00	$200.00	
1731	36555 ECORSE RD	54	87,771	39.812	CLASSIC	240	$200.00	$200.00	
1732	36555 ECORSE RD	54	87,482	39.681	CLASSIC	240	$200.00	$200.00	
1733	36555 ECORSE RD	54	87,041	39.481	CLASSIC	240	$200.00	$200.00	
1734	36555 ECORSE RD	54	87,887	39.865	CLASSIC	240	$200.00	$200.00	
1735	151 LAFAYETTE	53	86,783	39.364	CLASSIC	240	$200.00	$200.00	
1736	151 LAFAYETTE	54	87,056	39.488	CLASSIC	240	$200.00	$200.00	
1737	151 LAFAYETTE	54	87,711	39.785	CLASSIC	240	$200.00	$200.00	
1738	151 LAFAYETTE	55	87,779	39.816	CLASSIC	240	$200.00	$200.00	
1739	151 LAFAYETTE	55	87,580	39.726	CLASSIC	240	$200.00	$200.00	
1740	151 LAFAYETTE	55	86,977	39.452	CLASSIC	240	$200.00	$200.00	
1741	151 LAFAYETTE	54	87,895	39.869	CLASSIC	240	$200.00	$200.00	
1742	151 LAFAYETTE	53	87,012	39.468	CLASSIC	240	$200.00	$200.00	
1743	151 LAFAYETTE	53	86,547	39.257	CLASSIC	240	$200.00	$200.00	
1744	151 LAFAYETTE	54	87,602	39.736	CLASSIC	240	$200.00	$200.00	
1745	151 LAFAYETTE	54	86,814	39.378	CLASSIC	240	$200.00	$200.00	
1746	8650 MT. ELLIOTT	59	87,069	39.494	FULL CIRCLE	4145-03	$215.00	$215.00	
1747	8650 MT. ELLIOTT	59	87,097	39.507	FULL CIRCLE	4146-03	$215.00	$215.00	
1748	8650 MT. ELLIOTT	55	86,621	39.291	FULL CIRCLE	4147-03	$215.00	$215.00	
1749	8650 MT. ELLIOTT	41	63,848	28.961	FULL CIRCLE	4148-03	$215.00	$215.00	
1750	6490 LYNCH	33	54,165	24.569	FCT	4225-03	$215.00	$215.00	
1751	4815 CABOT	58	87,943	39.890	FULL CIRCLE	4268-03	$215.00	$215.00	
1752	4815 CABOT	55	87,474	39.678	FULL CIRCLE	4269-03	$215.00	$215.00	
1753	4815 CABOT	58	87,735	39.796	FULL CIRCLE	4270-03	$215.00	$215.00	
1754	4815 CABOT	56	86,907	39.420	FULL CIRCLE	4271-03	$215.00	$215.00	
1755	4815 CABOT	56	87,779	39.816	FULL CIRCLE	4272-03	$235.00	$235.00	

	A	B	C	D	E	F	G
1756	BAR4173	108/2140A	8-Nov-13	1200 E. MCNICHOLS	ABI	TBAR	8-Nov-13
1757	BAR4174	111/2150A	8-Nov-13	1200 E. MCNICHOLS	ABI	TBAR	8-Nov-13
1758	BAR4175	108/2140A	8-Nov-13	1200 E. MCNICHOLS	ABI	TBAR	8-Nov-13
1759	BAR4176	111/2150A	8-Nov-13	1200 E. MCNICHOLS	ABI	TBAR	8-Nov-13
1760	BAR4177	108/2140A	8-Nov-13	1200 E. MCNICHOLS	ABI	TBAR	8-Nov-13
1761	BAR4178	111/2150A	8-Nov-13	1200 E. MCNICHOLS	ABI	TBAR	8-Nov-13
1762	BAR4310	2133/2141A	8-Nov-13	308 N. ANTOINE	SHA	SOW	8-Nov-13
1763	BAR4311	2133/2141A	8-Nov-13	308 N. ANTOINE	SHA	SOW	8-Nov-13
1764	BAR4312	634/2139	8-Nov-13	308 N. ANTOINE	SHA	SOW	8-Nov-13
1765	BAR4313	2133/2141A	8-Nov-13	308 N. ANTOINE	SHA	SOW	8-Nov-13
1766	BAR4314	2133/2141A	8-Nov-13	308 N. ANTOINE	SHA	SOW	8-Nov-13
1767	BAR4586	711/2138A	8-Nov-13	151 LAFAYETTE	ABCQ	TBAR	8-Nov-13
1768	BAR4587	9934/2144	8-Nov-13	151 LAFAYETTE	ABCQ	TBAR	8-Nov-13
1769	BAR4588	413/2137A	8-Nov-13	151 LAFAYETTE	ABCQ	TBAR	8-Nov-13
1770	BAR4589	3140/2133A	8-Nov-13	151 LAFAYETTE	ABCQ	TBAR	8-Nov-13
1771	BAR4590	711/2138A	8-Nov-13	151 LAFAYETTE	ABCQ	TBAR	8-Nov-13
1772	BAR4591	9934/2144	8-Nov-13	151 LAFAYETTE	ABCQ	TBAR	8-Nov-13
1773	BAR4592	413/2137A	8-Nov-13	151 LAFAYETTE	ABCQ	TBAR	8-Nov-13
1774	BAR4593	3140/2133A	8-Nov-13	151 LAFAYETTE	ABCQ	TBAR	8-Nov-13
1775	BAR4594	711/2138A	8-Nov-13	151 LAFAYETTE	ABCQ	TBAR	8-Nov-13
1776	BAR4595	9934/2144	8-Nov-13	151 LAFAYETTE	ABCQ	TBAR	8-Nov-13
1777	BAR4596	413/2137	8-Nov-13	151 LAFAYETTE	ABCQ	TBAR	8-Nov-13
1778	BAR4597	3140/2133A	8-Nov-13	151 LAFAYETTE	ABCQ	TBAR	8-Nov-13
1779	BAR4598	711/2138A	8-Nov-13	151 LAFAYETTE	ABCQ	TBAR	8-Nov-13
1780	BAR4599	9934/2144	8-Nov-13	151 LAFAYETTE	ABCQ	TBAR	8-Nov-13
1781	BAR4600	413/2137A	8-Nov-13	151 LAFAYETTE	ABCQ	TBAR	8-Nov-13
1782	BAR4292	7855B	8-Nov-13	6307 WEST FORT ST	ABCQ	TBAR	8-Nov-13
1783	BAR4294	7855B	8-Nov-13	6307 WEST FORT ST	ABCQ	TBAR	8-Nov-13
1784	BAR4295	7904B	8-Nov-13	6307 WEST FORT ST	ABCQ	TBAR	8-Nov-13
1785	BAR4293	7904B	8-Nov-13	6307 WEST FORT ST	ABCQ	TBAR	8-Nov-13
1786	BAR4506	607/607A	8-Nov-13	20495 PENNSYLVANIA RD	ALOUETTE	SOW	8-Nov-13
1787	BAR4507	92/92A	8-Nov-13	20495 PENNSYLVANIA RD	ALOUETTE	SOW	8-Nov-13
1788	BAR4508	92/92A	8-Nov-13	20495 PENNSYLVANIA RD	ALOUETTE	SOW	8-Nov-13
1789	BAR4247	80	8-Nov-13	17423 WEST JEFFERSON	ABCQ	TBAR	8-Nov-13
1790	BAR4248	806	8-Nov-13	17423 WEST JEFFERSON	ABCQ	TBAR	8-Nov-13
1791	BAR4249	80	8-Nov-13	17423 WEST JEFFERSON	ABCQ	TBAR	8-Nov-13
1792	BAR4250	55	8-Nov-13	17423 WEST JEFFERSON	ABCQ	TBAR	8-Nov-13
1793	BAR4162	924/806	12-Nov-13	13542 HELEN ST	ABI	TBAR	12-Nov-13
1794	BAR4163	924/806	12-Nov-13	13542 HELEN ST	ABI	TBAR	12-Nov-13
1795	BAR4164	924/806	12-Nov-13	13542 HELEN ST	ABI	TBAR	12-Nov-13
1796	BAR4165LTL	924/806	12-Nov-13	13542 HELEN ST	ABI	TBAR	12-Nov-13
1797	BAR4351	5428/5428A	12-Nov-13	7900 N. HAGGERTY	SHA	SOW	12-Nov-13
1798	BAR4352	33/611A/611B	12-Nov-13	7900 N. HAGGERTY	SHA	SOW	12-Nov-13
1799	BAR4353	108/0080	12-Nov-13	7900 N. HAGGERTY	SHA	SOW	12-Nov-13
1800	BAR4354	5428/5428A	12-Nov-13	7900 N. HAGGERTY	SHA	SOW	12-Nov-13

	H	I	J	K	L	M	N	O	P
1756	1725 CICOTTE	54	87,169	39.539	CHAMPION	4173-03	$245.00	$245.00	
1757	1725 CICOTTE	60	87,639	39.752	CHAMPION	4174-03	$245.00	$245.00	
1758	1725 CICOTTE	61	87,792	39.822	CHAMPION	4175-03	$245.00	$245.00	
1759	1725 CICOTTE	61	87,756	39.805	CHAMPION	4176-03	$245.00	$245.00	
1760	1725 CICOTTE	60	86,714	39.333	CHAMPION	4177-03	$245.00	$245.00	
1761	1725 CICOTTE	61	87,429	39.657	CHAMPION	4178-03	$245.00	$245.00	
1762	36555 ECORSE RD	54	87,063	39.491	CHAMPION	4310-03	$245.00	$245.00	
1763	36555 ECORSE RD	54	87,497	39.688	CHAMPION	4311-03	$245.00	$245.00	
1764	36555 ECORSE RD	54	87,555	39.714	CHAMPION	4312-03	$245.00	$245.00	
1765	36555 ECORSE RD	54	86,875	39.406	CHAMPION	4313-03	$245.00	$245.00	
1766	36555 ECORSE RD	54	87,486	39.683	CHAMPION	4314-03	$245.00	$245.00	
1767	1200 E. MCNICHOLS	54	86,243	39.119	ALGER	4586-03	$260.00	$260.00	
1768	1200 E. MCNICHOLS	56	87,919	39.879	CHAMPION	4587-03	$260.00	$260.00	
1769	1200 E. MCNICHOLS	57	87,289	39.594	CHAMPION	4588-03	$260.00	$260.00	
1770	1200 E. MCNICHOLS	58	87,773	39.813	CHIEFS	4589-03	$260.00	$260.00	
1771	1200 E. MCNICHOLS	58	86,848	39.394	ALGER	4590-03	$260.00	$260.00	
1772	1200 E. MCNICHOLS	59	87,921	39.880	CHAMPION	4591-03	$260.00	$260.00	
1773	1200 E. MCNICHOLS	60	87,930	39.884	CHAMPION	4592-03	$260.00	$260.00	
1774	1200 E. MCNICHOLS	58	87,457	39.670	CHIEFS	4593-03	$260.00	$260.00	
1775	1200 E. MCNICHOLS	59	87,961	39.898	ALGER	4594-03	$260.00	$260.00	
1776	1200 E. MCNICHOLS	55	87,366	39.629	CHAMPION	4595-03	$260.00	$260.00	
1777	1200 E. MCNICHOLS	55	87,881	39.862	CHAMPION	4596-03	$260.00	$260.00	
1778	1200 E. MCNICHOLS	58	87,896	39.869	CHIEFS	4597-03	$260.00	$260.00	
1779	1200 E. MCNICHOLS	55	87,592	39.731	ALGER	4598-03	$260.00	$260.00	
1780	1200 E. MCNICHOLS	59	87,702	39.781	CHAMPION	4599-03	$260.00	$260.00	
1781	1200 E. MCNICHOLS	59	87,534	39.705	CHAMPION	4600-03	$260.00	$260.00	
1782	4815 CABOT	55	87,383	39.636	ALCO	AD076762	$264.00	$264.00	
1783	4815 CABOT	55	87,613	39.741	ALCO	AD076763	$264.00	$264.00	
1784	4815 CABOT	55	87,673	39.768	ALCO	AD076764	$264.00	$264.00	
1785	4815 CABOT	55	87,599	39.734	ALCO	AD076765	$264.00	$264.00	
1786	36555 ECORSE RD	55	87,259	39.580	JP GRAHAM	13412	$270.00	$270.00	
1787	36555 ECORSE RD	55	87,794	39.823	JP GRAHAM	13456	$270.00	$270.00	
1788	36555 ECORSE RD	55	87,786	39.819	JP GRAHAM	13457	$270.00	$270.00	
1789	36555 ECORSE RD	56	86,830	39.385	CLASSIC	240	$275.00	$275.00	
1790	36555 ECORSE RD	61	87,129	39.521	CLASSIC	240	$275.00	$275.00	
1791	36555 ECORSE RD	58	86,616	39.288	CLASSIC	240	$275.00	$275.00	
1792	36555 ECORSE RD	55	87,820	39.835	CLASSIC	240	$275.00	$275.00	
1793	8650 MT. ELLIOTT	56	87,281	39.590	CLASSIC	248	$200.00	$200.00	
1794	8650 MT. ELLIOTT	60	86,863	39.400	CLASSIC	248	$200.00	$200.00	
1795	8650 MT. ELLIOTT	60	86,896	39.415	CLASSIC	248	$200.00	$200.00	
1796	8650 MT. ELLIOTT	48	69,521	31.534	CLASSIC	248	$200.00	$200.00	
1797	36555 ECORSE RD	54	86,664	39.310	CLASSIC	248	$200.00	$200.00	
1798	36555 ECORSE RD	53	86,946	39.438	CLASSIC	248	$200.00	$200.00	
1799	36555 ECORSE RD	53	86,464	39.219	CLASSIC	248	$200.00	$200.00	
1800	36555 ECORSE RD	54	87,166	39.538	CLASSIC	248	$200.00	$200.00	

	A	B	C	D	E	F	G
1801	BAR4355	108/0080	12-Nov-13	7900 N. HAGGERTY	SHA	SOW	12-Nov-13
1802	BAR4356	33/611A/B	12-Nov-13	7900 N. HAGGERTY	SHA	SOW	12-Nov-13
1803	BAR4414	520/2112	12-Nov-13	26090 23 MILE RD	SHA	SOW	12-Nov-13
1804	BAR4415	520/2112	12-Nov-13	26090 23 MILE RD	SHA	SOW	12-Nov-13
1805	BAR4416	194/194B	12-Nov-13	26090 23 MILE RD	SHA	SOW	12-Nov-13
1806	BAR4417	520/2112	12-Nov-13	26090 23 MILE RD	SHA	SOW	12-Nov-13
1807	BAR4418	194/194B	12-Nov-13	26090 23 MILE RD	SHA	SOW	12-Nov-13
1808	BAR4419	520/2112	12-Nov-13	26090 23 MILE RD	SHA	SOW	12-Nov-13
1809	BAR4420	194/194B	12-Nov-13	26090 23 MILE RD	SHA	SOW	12-Nov-13
1810	BAR4421	520/2112	12-Nov-13	26090 23 MILE RD	SHA	SOW	12-Nov-13
1811	BAR4422	520/2112	12-Nov-13	26090 23 MILE RD	SHA	SOW	12-Nov-13
1812	BAR4423	520/2212	12-Nov-13	26090 23 MILE RD	ALOUETTE/ABCQ	SOW/TBAR	12-Nov-13
1813	BAR4424	194/194B	12-Nov-13	26090 23 MILE RD	SHA/ABCQ	SOW/TBAR	12-Nov-13
1814	BAR4237	108/2140A	12-Nov-13	1725 CICOTTE	ABCQ	TBAR	12-Nov-13
1815	BAR4238LTL	111/2150A	12-Nov-13	1725 CICOTTE	ABCQ	TBAR	12-Nov-13
1816	BAR4273	35/35A	12-Nov-13	2599 22ND ST	ABCQ	TBAR	12-Nov-13
1817	BAR4274	35/35A	12-Nov-13	2599 22ND ST	ABCQ	TBAR	12-Nov-13
1818	BAR4275	35/35A	12-Nov-13	2599 22ND ST	ABCQ	TBAR	12-Nov-13
1819	BAR4277	35/35A	12-Nov-13	2599 22ND ST	ABCQ	TBAR	12-Nov-13
1820	BAR4179	108/2140A	12-Nov-13	1200 E. MCNICHOLS	ABI	TBAR	12-Nov-13
1821	BAR4180	108/2140A	12-Nov-13	1200 E. MCNICHOLS	ABI	TBAR	12-Nov-13
1822	BAR4181	108/2140A	12-Nov-13	1200 E. MCNICHOLS	ABI	TBAR	12-Nov-13
1823	BAR4182	108/2140A	12-Nov-13	1200 E. MCNICHOLS	ABI	TBAR	12-Nov-13
1824	BAR4183	111/2150A	12-Nov-13	1200 E. MCNICHOLS	ABI	TBAR	12-Nov-13
1825	BAR4315	94	12-Nov-13	308 N. ANTOINE	SHA	SOW	12-Nov-13
1826	BAR4316	094/17A	12-Nov-13	308 N. ANTOINE	SHA/ABI	SOW/TBAR	12-Nov-13
1827	BAR4317	094/17A	12-Nov-13	308 N. ANTOINE	ABI/SHA	SOW/TBAR	12-Nov-13
1828	BAR4318	094/17A	12-Nov-13	308 N. ANTOINE	SHA	SOW	12-Nov-13
1829	BAR4319	094/17A	12-Nov-13	308 N. ANTOINE	SHA	SOW	12-Nov-13
1830	BAR4601	3140/2133A	12-Nov-13	151 LAFAYETTE	ABCQ	TBAR	12-Nov-13
1831	BAR4602	9934/2144	12-Nov-13	151 LAFAYETTE	ABCQ	TBAR	12-Nov-13
1832	BAR4603	413/2137A	12-Nov-13	151 LAFAYETTE	ABCQ	TBAR	12-Nov-13
1833	BAR4604	78/2147A	12-Nov-13	151 LAFAYETTE	ABCQ	TBAR	12-Nov-13
1834	BAR4605	3140/2133A	12-Nov-13	151 LAFAYETTE	ABCQ	TBAR	12-Nov-13
1835	BAR4606	9934/2144	12-Nov-13	151 LAFAYETTE	ABCQ/SHA	TBAR/SOW	12-Nov-13
1836	BAR4607	413/2137A	12-Nov-13	151 LAFAYETTE	SHA	SOW	12-Nov-13
1837	BAR4608	3140/2133A	12-Nov-13	151 LAFAYETTE	SHA	SOW	12-Nov-13
1838	BAR4609	9934/2144	12-Nov-13	151 LAFAYETTE	SHA	SOW	12-Nov-13
1839	BAR4610	413/2137A	12-Nov-13	151 LAFAYETTE	SHA	SOW	12-Nov-13
1840	BAR4611	9934/2144	12-Nov-13	151 LAFAYETTE	SHA	SOW	12-Nov-13
1841	BAR4612	413/2137A	12-Nov-13	151 LAFAYETTE	SHA	SOW	12-Nov-13
1842	BAR4613	3140/2147A	12-Nov-13	151 LAFAYETTE	SHA	SOW	12-Nov-13
1843	BAR4614	9934/2144	12-Nov-13	151 LAFAYETTE	SHA	SOW	12-Nov-13
1844	BAR4615	413/2137A	12-Nov-13	151 LAFAYETTE	SHA	SOW	12-Nov-13
1845	BAR4297	7904B	12-Nov-13	6307 WEST FORT ST	ABCQ	TBAR	12-Nov-13

	H	I	J	K	L	M	N	O	P
1801	36555 ECORSE RD	54	87,849	39.848	CLASSIC	248	$200.00	$200.00	
1802	36555 ECORSE RD	54	87,892	39.867	CLASSIC	248	$200.00	$200.00	
1803	151 LAFAYETTE	53	87,190	39.549	CLASSIC	248	$200.00	$200.00	
1804	151 LAFAYETTE	53	87,364	39.628	CLASSIC	248	$200.00	$200.00	
1805	151 LAFAYETTE	54	87,656	39.760	CLASSIC	248	$200.00	$200.00	
1806	151 LAFAYETTE	54	87,610	39.739	CLASSIC	248	$200.00	$200.00	
1807	151 LAFAYETTE	53	86,822	39.382	CLASSIC	248	$200.00	$200.00	
1808	151 LAFAYETTE	53	86,850	39.395	CLASSIC	248	$200.00	$200.00	
1809	151 LAFAYETTE	55	87,731	39.794	CLASSIC	248	$200.00	$200.00	
1810	151 LAFAYETTE	55	87,876	39.860	CLASSIC	248	$200.00	$200.00	
1811	151 LAFAYETTE	53	87,140	39.526	CLASSIC	248	$200.00	$200.00	
1812	151 LAFAYETTE	56	86,645	39.302	CLASSIC	248	$200.00	$200.00	
1813	151 LAFAYETTE	55	87,478	39.679	CLASSIC	248	$200.00	$200.00	
1814	160 VISGER	58	87,274	39.587	CHAMPION	004237-01	$215.00	$215.00	
1815	160 VISGER	15	21,350	9.684	CHAMPION	004238-01	$215.00	$215.00	
1816	4815 CABOT	55	86,526	39.248	FULL CIRCLE	004273-01	$215.00	$215.00	
1817	4815 CABOT	56	87,853	39.849	FULL CIRCLE	004274-01	$215.00	$215.00	
1818	4815 CABOT	55	87,419	39.653	FULL CIRCLE	004275-01	$215.00	$215.00	
1819	4815 CABOT	55	87,798	39.825	FULL CIRCLE	004277-01	$215.00	$215.00	
1820	1725 CICOTTE	59	86,882	39.409	CHAMPION	004179-01	$245.00	$245.00	
1821	1725 CICOTTE	54	87,257	39.579	CHAMPION	004180-01	$245.00	$245.00	
1822	1725 CICOTTE	61	87,747	39.801	CHAMPION	004181-01	$245.00	$245.00	
1823	1725 CICOTTE	61	87,607	39.738	CHAMPION	004182-01	$245.00	$245.00	
1824	1725 CICOTTE	58	87,845	39.846	CHAMPION	004183-03	$245.00	$245.00	
1825	36555 ECORSE RD	54	87,110	39.512	L&R	004316-01	$245.00	$245.00	
1826	36555 ECORSE RD	54	87,698	39.779	L&R	004316-01	$245.00	$245.00	
1827	36555 ECORSE RD	54	86,762	39.355	L&R	004317-01	$245.00	$245.00	
1828	36555 ECORSE RD	54	87,631	39.749	L&R	004318-01	$245.00	$245.00	
1829	36555 ECORSE RD	54	87,462	39.672	L&R	004319-01	$245.00	$245.00	
1830	1200 E. MCNICHOLS	58	87,078	39.498	CHIEFS	004601-01	$260.00	$260.00	
1831	1200 E. MCNICHOLS	59	87,494	39.687	CHAMPION	004602-01	$260.00	$260.00	
1832	1200 E. MCNICHOLS	55	86,585	39.274	CHAMPION	004603-01	$260.00	$260.00	
1833	1200 E. MCNICHOLS	56	87,487	39.683	FULL CIRCLE	004604-01	$260.00	$260.00	
1834	1200 E. MCNICHOLS	55	87,236	39.570	CHIEFS	004605-01	$260.00	$260.00	
1835	1200 E. MCNICHOLS	57	87,299	39.598	CHAMPION	004606-01	$260.00	$260.00	
1836	1200 E. MCNICHOLS	53	87,345	39.619	CHAMPION	004607-01	$260.00	$260.00	
1837	1200 E. MCNICHOLS	53	87,693	39.777	CHIEFS	004608-01	$260.00	$260.00	
1838	1200 E. MCNICHOLS	53	87,015	39.469	CHAMPION	004609-01	$260.00	$260.00	
1839	1200 E. MCNICHOLS	53	87,369	39.630	CHAMPION	004610-01	$260.00	$260.00	
1840	1200 E. MCNICHOLS	53	87,250	39.576	CHAMPION	004611-01	$260.00	$260.00	
1841	1200 E. MCNICHOLS	53	87,284	39.591	CHAMPION	004612-01	$260.00	$260.00	
1842	1200 E. MCNICHOLS	53	86,688	39.321	CHIEFS	004613-01	$260.00	$260.00	
1843	1200 E. MCNICHOLS	53	87,324	39.610	CHAMPION	004614-01	$260.00	$260.00	
1844	1200 E. MCNICHOLS	54	87,376	39.633	CHAMPION	004616-01	$260.00	$260.00	
1845	4815 CABOT	55	87,281	39.590	ALCO	AD076935	$264.00	$264.00	

	A	B	C	D	E	F	G
1846	BAR4299	7904B	12-Nov-13	6307 WEST FORT ST	ABCQ	TBAR	12-Nov-13
1847	BAR4296	7855B	12-Nov-13	6307 WEST FORT ST	ABCQ	TBAR	12-Nov-13
1848	BAR4298	7855B	12-Nov-13	6307 WEST FORT ST	ABCQ	TBAR	12-Nov-13
1849	BAR4510	670/670A	12-Nov-13	20495 PENNSYLVANIA RD	ALOUETTE	SOW	12-Nov-13
1850	BAR4511	670/670A	12-Nov-13	20495 PENNSYLVANIA RD	ALOUETTE	SOW	12-Nov-13
1851	BAR4509	92/92A	12-Nov-13	20495 PENNSYLVANIA RD	ALOUETTE	SOW	12-Nov-13
1852	BAR4251	L20A/B	12-Nov-13	17423 WEST JEFFERSON	ABCQ	TBAR	12-Nov-13
1853	BAR4252	5428	12-Nov-13	17423 WEST JEFFERSON	ABCQ	TBAR	12-Nov-13
1854	BAR4253	80	12-Nov-13	17423 WEST JEFFERSON	ABCQ	TBAR	12-Nov-13
1855	BAR4254	611/AB	12-Nov-13	17423 WEST JEFFERSON	ABCQ	TBAR	12-Nov-13
1856	BAR4276	35/35A	12-Nov-13	2599 22ND ST	ABCQ	TBAR	12-Nov-13
1857	BAR4357	108/0080	13-Nov-13	7900 N. HAGGERTY	SHA	SOW	13-Nov-13
1858	BAR4358	108/0080	13-Nov-13	7900 N. HAGGERTY	SHA	SOW	13-Nov-13
1859	BAR4359	33/611A/611B	13-Nov-13	7900 N. HAGGERTY	SHA	SOW	13-Nov-13
1860	BAR4360	21/5428	13-Nov-13	7900 N. HAGGERTY	SHA	SOW	13-Nov-13
1861	BAR4361	33/611A/B	13-Nov-13	7900 N. HAGGERTY	SHA	SOW	13-Nov-13
1862	BAR4362	21/5428	13-Nov-13	7900 N. HAGGERTY	SHA	SOW	13-Nov-13
1863	BAR4425	520/2112	13-Nov-13	26090 23 MILE RD	SHA	SOW	13-Nov-13
1864	BAR4426	194/194B	13-Nov-13	26090 23 MILE RD	SHA	SOW	13-Nov-13
1865	BAR4427	520/2112	13-Nov-13	26090 23 MILE RD	SHA/ABCQ/ALOUETTE	TBAR/SOW	13-Nov-13
1866	BAR4428	194/194B	13-Nov-13	26090 23 MILE RD	ALOUETTE/ABCQ	SOW/TBAR	13-Nov-13
1867	BAR4429	520/2112	13-Nov-13	26090 23 MILE RD	ABCQ	TBAR	13-Nov-13
1868	BAR4430	194/194B	13-Nov-13	26090 23 MILE RD	ABCQ	TBAR	13-Nov-13
1869	BAR4431	520/2112	13-Nov-13	26090 23 MILE RD	ABCQ	TBAR	13-Nov-13
1870	BAR4432	194/194B	13-Nov-13	26090 23 MILE RD	SHA/ABCQ	SOW/TBAR	13-Nov-13
1871	BAR4433	520/2112	13-Nov-13	26090 23 MILE RD	SHA	SOW	13-Nov-13
1872	BAR4278	35/35A	13-Nov-13	2599 22ND ST	ABCQ	TBAR	13-Nov-13
1873	BAR4279	35/35A	13-Nov-13	2599 22ND ST	ABCQ	TBAR	13-Nov-13
1874	BAR4280	35/35A	13-Nov-13	2599 22ND ST	ABCQ	TBAR	13-Nov-13
1875	BAR4281	35/35A	13-Nov-13	2599 22ND ST	ABCQ	TBAR	13-Nov-13
1876	BAR4282	35/35A	13-Nov-13	2599 22ND ST	ABCQ	TBAR	13-Nov-13
1877	BAR4283	35/35A	13-Nov-13	2599 22ND ST	ABCQ	TBAR	13-Nov-13
1878	BAR4184	108/2140A	13-Nov-13	1200 E. MCNICHOLS	ABI	TBAR	13-Nov-13
1879	BAR4185	108/2140A	13-Nov-13	1200 E. MCNICHOLS	ABI	TBAR	13-Nov-13
1880	BAR4186	108/2140A	13-Nov-13	1200 E. MCNICHOLS	ABI	TBAR	13-Nov-13
1881	BAR4187	108/2140A	13-Nov-13	1200 E. MCNICHOLS	ABI	TBAR	13-Nov-13
1882	BAR4188	108/2140A	13-Nov-13	1200 E. MCNICHOLS	ABI	TBAR	13-Nov-13
1883	BAR4320	094/17A	13-Nov-13	308 N. ANTOINE	SHA	SOW	13-Nov-13
1884	BAR4321	094/17A	13-Nov-13	308 N. ANTOINE	SHA	SOW	13-Nov-13
1885	BAR4322	094/17A	13-Nov-13	308 N. ANTOINE	SHA	SOW	13-Nov-13
1886	BAR4323	094/17A	13-Nov-13	308 N. ANTOINE	SHA	SOW	13-Nov-13
1887	BAR4324	094/17A	13-Nov-13	308 N. ANTOINE	SHA	SOW	13-Nov-13
1888	BAR4616	9934/2144	13-Nov-13	151 LAFAYETTE	SHA	SOW	13-Nov-13
1889	BAR4617	3140/2133A	13-Nov-13	151 LAFAYETTE	SHA	SOW	13-Nov-13
1890	BAR4618	413/2137A	13-Nov-13	151 LAFAYETTE	SHA	SOW	13-Nov-13

	H	I	J	K	L	M	N	O	P
1846	4815 CABOT	55	87,472	39.677	ALCO	AD076936	$264.00	$264.00	
1847	4815 CABOT	55	87,495	39.687	ALCO	AD076937	$264.00	$264.00	
1848	4815 CABOT	55	87,265	39.583	ALCO	AD076938	$264.00	$264.00	
1849	36555 ECORSE RD	55	87,561	39.717	JP GRAHAM	14158	$270.00	$270.00	
1850	36555 ECORSE RD	55	87,632	39.749	JP GRAHAM	14159	$270.00	$270.00	
1851	36555 ECORSE RD	55	87,453	39.668	JP GRAHAM	14255	$270.00	$270.00	
1852	36555 ECORSE RD	58	87,246	39.574	CLASSIC	248	$275.00	$275.00	
1853	36555 ECORSE RD	55	86,938	39.434	CLASSIC	248	$275.00	$275.00	
1854	36555 ECORSE RD	55	87,838	39.843	CLASSIC	248	$275.00	$275.00	
1855	36555 ECORSE RD	54	86,457	39.216	CLASSIC	248	$275.00	$275.00	
1856	4815 CABOT	55	87,456	39.669	FULL CIRCLE				
1857	36555 ECORSE RD	54	86,607	39.284	CLASSIC	248	$200.00	$200.00	
1858	36555 ECORSE RD	54	87,975	39.905	CLASSIC	248	$200.00	$200.00	
1859	36555 ECORSE RD	54	87,739	39.798	CLASSIC	248	$200.00	$200.00	
1860	36555 ECORSE RD	54	87,488	39.684	CLASSIC	248	$200.00	$200.00	
1861	36555 ECORSE RD	54	87,923	39.881	CLASSIC	248	$200.00	$200.00	
1862	36555 ECORSE RD	54	87,331	39.613	CLASSIC	248	$200.00	$200.00	
1863	151 LAFAYETTE	53	86,917	39.425	CLASSIC	248	$200.00	$200.00	
1864	151 LAFAYETTE	53	86,944	39.437	CLASSIC	248	$200.00	$200.00	
1865	151 LAFAYETTE	55	87,195	39.551	CLASSIC	248	$200.00	$200.00	
1866	151 LAFAYETTE	55	86,838	39.389	CLASSIC	248	$200.00	$200.00	
1867	151 LAFAYETTE	60	87,288	39.593	CLASSIC	248	$200.00	$200.00	
1868	151 LAFAYETTE	61	87,533	39.704	CLASSIC	248	$200.00	$200.00	
1869	151 LAFAYETTE	59	86,674	39.315	CLASSIC	248	$200.00	$200.00	
1870	151 LAFAYETTE	54	87,530	39.703	CLASSIC	248	$200.00	$200.00	
1871	151 LAFAYETTE	54	87,677	39.770	CLASSIC	248	$200.00	$200.00	
1872	4815 CABOT	55	87,425	39.655	FULL CIRCLE	004278-01	$215.00	$215.00	
1873	4815 CABOT	55	87,469	39.675	FULL CIRCLE	004279-01	$215.00	$215.00	
1874	4815 CABOT	55	87,485	39.683	FULL CIRCLE	004280-01	$215.00	$215.00	
1875	4815 CABOT	55	87,342	39.618	FULL CIRCLE	004281-01	$215.00	$215.00	
1876	4815 CABOT	55	87,480	39.680	FULL CIRCLE	004282-01	$215.00	$215.00	
1877	4815 CABOT	40	63,616	28.856	FULL CIRCLE	004283-01	$215.00	$215.00	
1878	1725 CICOTTE	54	87,293	39.595	CHAMPION	004184-01	$245.00	$245.00	
1879	1725 CICOTTE	58	87,333	39.614	CHAMPION	004185-01	$245.00	$245.00	
1880	1725 CICOTTE	56	86,630	39.295	CHAMPION	004186-01	$245.00	$245.00	
1881	1725 CICOTTE	60	87,115	39.515	CHAMPION	004187-01	$245.00	$245.00	
1882	1725 CICOTTE	54	87,159	39.535	CHAMPION	004188-01	$245.00	$245.00	
1883	36555 ECORSE RD	54	87,805	39.828	L&R	004320-01	$245.00	$245.00	
1884	36555 ECORSE RD	54	87,866	39.855	L&R	004321-01	$245.00	$245.00	
1885	36555 ECORSE RD	54	87,442	39.663	L&R	004322-01	$245.00	$245.00	
1886	36555 ECORSE RD	54	87,972	39.903	L&R	004323-01	$245.00	$245.00	
1887	36555 ECORSE RD	53	87,017	39.470	L&R	004324-01	$245.00	$245.00	
1888	1200 E. MCNICHOLS	54	87,049	39.485	CHAMPION	004616-01	$260.00	$260.00	
1889	1200 E. MCNICHOLS	54	87,307	39.602	CHIEFS	004617-01	$260.00	$260.00	
1890	1200 E. MCNICHOLS	53	86,754	39.351	CHAMPION	004618-01	$260.00	$260.00	

	A	B	C	D	E	F	G
1891	BAR4619	9934/2144	13-Nov-13	151 LAFAYETTE	SHA	SOW	13-Nov-13
1892	BAR4620	413/2137A	13-Nov-13	151 LAFAYETTE	SHA	SOW	13-Nov-13
1893	BAR4621	3140/2133A	13-Nov-13	151 LAFAYETTE	SHA	SOW	13-Nov-13
1894	BAR4622	9934/2144	13-Nov-13	151 LAFAYETTE	SHA	SOW	13-Nov-13
1895	BAR4623	78/2141A	13-Nov-13	151 LAFAYETTE	SHA	SOW	13-Nov-13
1896	BAR4624	711/2138A	13-Nov-13	151 LAFAYETTE	SHA	SOW	13-Nov-13
1897	BAR4625	413/2137A	13-Nov-13	151 LAFAYETTE	SHA	SOW	13-Nov-13
1898	BAR4626	1186/1406	13-Nov-13	151 LAFAYETTE	SHA	SOW	13-Nov-13
1899	BAR4627	3140/2133A	13-Nov-13	151 LAFAYETTE	SHA	SOW	13-Nov-13
1900	BAR4628	9934/2144	13-Nov-13	151 LAFAYETTE	SHA	SOW	13-Nov-13
1901	BAR4629	413/2137A	13-Nov-13	151 LAFAYETTE	SHA	SOW	13-Nov-13
1902	BAR4630	3140/2133A	13-Nov-13	151 LAFAYETTE	SHA	SOW	13-Nov-13
1903	BAR4631LTL	711/2138A	13-Nov-13	151 LAFAYETTE	SHA	SOW	13-Nov-13
1904	BAR4300	7855B	13-Nov-13	6307 WEST FORT ST	ABCQ	TBAR	13-Nov-13
1905	BAR4302	7855B	13-Nov-13	6307 WEST FORT ST	ABCQ	TBAR	13-Nov-13
1906	BAR4301	7904B	13-Nov-13	6307 WEST FORT ST	ABCQ	TBAR	13-Nov-13
1907	BAR4303	7904B	13-Nov-13	6307 WEST FORT ST	ABCQ	TBAR	13-Nov-13
1908	BAR4512	670/670A	13-Nov-13	20495 PENNSYLVANIA RD	ALOUETTE	SOW	13-Nov-13
1909	BAR4516	670/670A	13-Nov-13	20495 PENNSYLVANIA RD	ALOUETTE	SOW	13-Nov-13
1910	BAR4520	670/670A	13-Nov-13	20495 PENNSYLVANIA RD	ABCQ	TBAR	13-Nov-13
1911	BAR4519	92/92A	13-Nov-13	20495 PENNSYLVANIA RD	ABCQ	TBAR	13-Nov-13
1912	BAR4515	92/92A	13-Nov-13	20495 PENNSYLVANIA RD	ALOUETTE	SOW	13-Nov-13
1913	BAR4513	92/92A	13-Nov-13	20495 PENNSYLVANIA RD	ALOUETTE	SOW	13-Nov-13
1914	BAR4521	357/8014	13-Nov-13	20495 PENNSYLVANIA RD	ABCQ	TBAR	13-Nov-13
1915	BAR4518	357/8014	13-Nov-13	20495 PENNSYLVANIA RD	ALOUETTE/ABCQ	SOW/TBAR	13-Nov-13
1916	BAR4514	357/8014	13-Nov-13	20495 PENNSYLVANIA RD	ALOUETTE	SOW	13-Nov-13
1917	BAR4517	200/4577F	13-Nov-13	20495 PENNSYLVANIA RD	ALOUETTE	SOW	13-Nov-13
1918	BAR4255	611/AB	13-Nov-13	17423 WEST JEFFERSON	ABCQ/SHA	TBAR/SOW	13-Nov-13
1919	BAR4256	80	13-Nov-13	17423 WEST JEFFERSON	SHA	SOW	13-Nov-13
1920	BAR4257LTL	5428	13-Nov-13	17423 WEST JEFFERSON	SHA	SOW	13-Nov-13
1921	BAR4149	108/0080	14-Nov-13	3801 WEST JEFFERSON	ABCQ	TBAR	14-Nov-13
1922	BAR4150	194/4593	14-Nov-13	3801 WEST JEFFERSON	ABI/ABCQ	TBAR	14-Nov-13
1923	BAR4151	924/806	14-Nov-13	3801 WEST JEFFERSON	ABI	TBAR	14-Nov-13
1924	BAR4152	108/0080	14-Nov-13	3801 WEST JEFFERSON	ABI	TBAR	14-Nov-13
1925	BAR4153	194/9593	14-Nov-13	3801 WEST JEFFERSON	ABI	TBAR	14-Nov-13
1926	BAR4154	924/896	14-Nov-13	3801 WEST JEFFERSON	ABI	TBAR	14-Nov-13
1927	BAR4202	4/4B	14-Nov-13	4815 CABOT	SHA	SOW	14-Nov-13
1928	BAR4203	924/806	14-Nov-13	4815 CABOT	SHA	SOW	14-Nov-13
1929	BAR4204	108/0080	14-Nov-13	4815 CABOT	SHA	SOW	14-Nov-13
1930	BAR4205	4/4B	14-Nov-13	4815 CABOT	SHA	SOW	14-Nov-13
1931	BAR4206	924/806	14-Nov-13	4815 CABOT	SHA	SOW	14-Nov-13
1932	BAR4207	21/5428	14-Nov-13	4815 CABOT	SHA	SOW	14-Nov-13
1933	BAR4208	108/0080	14-Nov-13	4815 CABOT	SHA	SOW	14-Nov-13
1934	BAR4209	33/611A/B	14-Nov-13	4815 CABOT	SHA	SOW	14-Nov-13
1935	BAR4210	4/4B	14-Nov-13	4815 CABOT	SHA	SOW	14-Nov-13

	H	I	J	K	L	M	N	O	P
1891	1200 E. MCNICHOLS	54	87,223	39.564	CHAMPION	004619-01	$260.00	$260.00	
1892	1200 E. MCNICHOLS	54	86,682	39.409	CHAMPION	004620-01	$260.00	$260.00	
1893	1200 E. MCNICHOLS	54	87,568	39.720	CHIEFS	004621-01	$260.00	$260.00	
1894	1200 E. MCNICHOLS	54	87,151	39.531	CHAMPION	004622-01	$260.00	$260.00	
1895	1200 E. MCNICHOLS	53	86,845	39.392	FULL CIRCLE	004623-01	$260.00	$260.00	
1896	1200 E. MCNICHOLS	53	87,592	39.731	ALGER	004624-01	$260.00	$260.00	
1897	1200 E. MCNICHOLS	53	87,549	39.712	CHAMPION	004625-01	$260.00	$260.00	
1898	1200 E. MCNICHOLS	53	87,648	39.757	ALGER	004626-01	$260.00	$260.00	
1899	1200 E. MCNICHOLS	53	87,282	39.590	CHIEFS	004627-01	$260.00	$260.00	
1900	1200 E. MCNICHOLS	54	87,363	39.627	CHAMPION	004628-01	$260.00	$260.00	
1901	1200 E. MCNICHOLS	53	87,393	39.641	CHAMPION	004629-01	$260.00	$260.00	
1902	1200 E. MCNICHOLS	53	86,923	39.428	CHIEFS	004630-01	$260.00	$260.00	
1903	1200 E. MCNICHOLS	29	47,970	21.759	ALGER	004631-01	$260.00	$260.00	
1904	4815 CABOT	55	87,385	39.637	ALCO	AD076996	$264.00	$264.00	
1905	4815 CABOT	55	87,381	39.635	ALCO	AD076997	$264.00	$264.00	
1906	4815 CABOT	55	87,398	39.643	ALCO	AD076998	$264.00	$264.00	
1907	4815 CABOT	55	87,581	39.726	ALCO	AD076999	$264.00	$264.00	
1908	36555 ECORSE RD	54	86,478	39.226	JP GRAHAM	14160	$270.00	$270.00	
1909	36555 ECORSE RD	55	87,065	39.492	JP GRAHAM	14161	$270.00	$270.00	
1910	36555 ECORSE RD	55	87,616	39.742	JP GRAHAM	14162.01	$270.00	$270.00	
1911	36555 ECORSE RD	55	87,398	39.643	JP GRAHAM	14250	$270.00	$270.00	
1912	36555 ECORSE RD	55	86,928	39.430	JP GRAHAM	14253	$270.00	$270.00	
1913	36555 ECORSE RD	55	86,960	39.444	JP GRAHAM	14254	$270.00	$270.00	
1914	36555 ECORSE RD	56	87,781	39.817	JP GRAHAM	14273	$270.00	$270.00	
1915	36555 ECORSE RD	55	87,711	39.785	JP GRAHAM	14274	$270.00	$270.00	
1916	36555 ECORSE RD	56	87,944	39.891	JP GRAHAM	14275	$270.00	$270.00	
1917	36555 ECORSE RD	55	87,257	39.579	JP GRAHAM	14349	$270.00	$270.00	
1918	36555 ECORSE RD	58	86,684	39.319	CLASSIC	248	$275.00	$275.00	
1919	36555 ECORSE RD	54	87,332	39.613	CLASSIC	248	$275.00	$275.00	
1920	36555 ECORSE RD	5	8,272	3.752	CLASSIC	248	$275.00	$275.00	
1921	4815 CABOT	61	87,515	39.696	CLASSIC	248	$200.00	$200.00	
1922	4815 CABOT	61	87,406	39.647	CLASSIC	248	$200.00	$200.00	
1923	4815 CABOT	61	87,975	39.905	CLASSIC	248	$200.00	$200.00	
1924	4815 CABOT	60	86,830	39.385	CLASSIC	248	$200.00	$200.00	
1925	4815 CABOT	60	86,747	39.348	CLASSIC	248	$200.00	$200.00	
1926	4815 CABOT	62	88,000	39.916	CLASSIC	248	$200.00	$200.00	
1927	3801 WEST JEFFERSON	54	86,622	39.291	CLASSIC	248	$200.00	$200.00	
1928	3801 WEST JEFFERSON	54	86,829	39.385	CLASSIC	248	$200.00	$200.00	
1929	3801 WEST JEFFERSON	54	86,799	39.371	CLASSIC	248	$200.00	$200.00	
1930	3801 WEST JEFFERSON	54	87,303	39.600	CLASSIC	248	$200.00	$200.00	
1931	3801 WEST JEFFERSON	54	87,001	39.463	CLASSIC	248	$200.00	$200.00	
1932	3801 WEST JEFFERSON	54	87,054	39.487	CLASSIC	248	$200.00	$200.00	
1933	3801 WEST JEFFERSON	54	86,569	39.267	CLASSIC	248	$200.00	$200.00	
1934	3801 WEST JEFFERSON	54	87,402	39.645	CLASSIC	248	$200.00	$200.00	
1935	3801 WEST JEFFERSON	54	86,769	39.358	CLASSIC	248	$200.00	$200.00	

	A	B	C	D	E	F	G
1936	BAR4211	21/5428	14-Nov-13	4815 CABOT	SHA	SOW	14-Nov-13
1937	BAR4212	108/0080	14-Nov-13	4815 CABOT	SHA	SOW	14-Nov-13
1938	BAR4213	924/806	14-Nov-13	4815 CABOT	SHA	SOW	14-Nov-13
1939	BAR4363	21/5428	14-Nov-13	7900 N. HAGGERTY	SHA	SOW	14-Nov-13
1940	BAR4364	33/611A/B	14-Nov-13	7900 N. HAGGERTY	SHA	SOW	14-Nov-13
1941	BAR4365	21/5428	14-Nov-13	7900 N. HAGGERTY	SHA	SOW	14-Nov-13
1942	BAR4366	33/611A/B	14-Nov-13	7900 N. HAGGERTY	SHA	SOW	14-Nov-13
1943	BAR4367	21/5428	14-Nov-13	7900 N. HAGGERTY	SHA	SOW	14-Nov-13
1944	BAR4368	33/611A/B	14-Nov-13	7900 N. HAGGERTY	SHA	SOW	14-Nov-13
1945	BAR4434	093/9941	14-Nov-13	26090 23 MILE RD	SHA	SOW	14-Nov-13
1946	BAR4435	520/2112	14-Nov-13	26090 23 MILE RD	SHA	SOW	14-Nov-13
1947	BAR4436	093/9941	14-Nov-13	26090 23 MILE RD	SHA	SOW	14-Nov-13
1948	BAR4437	520/2112	14-Nov-13	26090 23 MILE RD	SHA	SOW	14-Nov-13
1949	BAR4438	093/9941	14-Nov-13	26090 23 MILE RD	SHA	SOW	14-Nov-13
1950	BAR4439	520/2112	14-Nov-13	26090 23 MILE RD	SHA	SOW	14-Nov-13
1951	BAR4440	093/9941	14-Nov-13	26090 23 MILE RD	SHA/ALOUETTE	SOW	14-Nov-13
1952	BAR4441	520/2112	14-Nov-13	26090 23 MILE RD	SHA/ALOUETTE	SOW	14-Nov-13
1953	BAR4442	093/9941	14-Nov-13	26090 23 MILE RD	SHA/ABCQ	SOW/TBAR	14-Nov-13
1954	BAR4443	520/2112	14-Nov-13	26090 23 MILE RD	SHA/ABCQ	SOW/TBAR	14-Nov-13
1955	BAR4233	35/35A	14-Nov-13	160 VISGER	SHA	SOW	14-Nov-13
1956	BAR4234	35/35A	14-Nov-13	160 VISGER	SHA/ABI	SOW/TBAR	14-Nov-13
1957	BAR4235	35/35A	14-Nov-13	160 VISGER	ABI	TBAR	14-Nov-13
1958	BAR4236LTL	35/35A	14-Nov-13	160 VISGER	ABI	TBAR	14-Nov-13
1959	BAR4189	108/2140A	14-Nov-13	1200 E. MCNICHOLS	ABI	TBAR	14-Nov-13
1960	BAR4190	108/2140A	14-Nov-13	1200 E. MCNICHOLS	ABI	TBAR	14-Nov-13
1961	BAR4191	108/2140A	14-Nov-13	1200 E. MCNICHOLS	ABI	TBAR	14-Nov-13
1962	BAR4192	108/2140A	14-Nov-13	1200 E. MCNICHOLS	ABI/ABCQ	TBAR	14-Nov-13
1963	BAR4193	111/2150A	14-Nov-13	1200 E. MCNICHOLS	DESCHAMBAULT/ABCQ	TBAR	14-Nov-13
1964	BAR4325	094/17A	14-Nov-13	308 N. ANTOINE	SHA	SOW	14-Nov-13
1965	BAR4326	094/17A	14-Nov-13	308 N. ANTOINE	SHA	SOW	14-Nov-13
1966	BAR4327	094/17A	14-Nov-13	308 N. ANTOINE	SHA	SOW	14-Nov-13
1967	BAR4328	094/17A	14-Nov-13	308 N. ANTOINE	SHA	SOW	14-Nov-13
1968	BAR4329	094/17A	14-Nov-13	308 N. ANTOINE	SHA	SOW	14-Nov-13
1969	BAR4309LTL	7855B	14-Nov-13	6307 WEST FORT ST	ABCQ	TBAR	14-Nov-13
1970	BAR4306	7855B	14-Nov-13	6307 WEST FORT ST	ABCQ	TBAR	14-Nov-13
1971	BAR4304	7855B	14-Nov-13	6307 WEST FORT ST	ABCQ	TBAR	14-Nov-13
1972	BAR4305	7904B	14-Nov-13	6307 WEST FORT ST	ABCQ	TBAR	14-Nov-13
1973	BAR4307	7904B	14-Nov-13	6307 WEST FORT ST	ABCQ	TBAR	14-Nov-13
1974	BAR4308	7904B	14-Nov-13	6307 WEST FORT ST	ABCQ	TBAR	14-Nov-13
1975	BAR4523		14-Nov-13	20495 PENNSYLVANIA RD	ABCQ	TBAR	14-Nov-13
1976	BAR4527	670/670A	14-Nov-13	20495 PENNSYLVANIA RD	ABCQ	TBAR	14-Nov-13
1977	BAR4531	670/670A	14-Nov-13	20495 PENNSYLVANIA RD	ABCQ	TBAR	14-Nov-13
1978	BAR4522	92/92A	14-Nov-13	20495 PENNSYLVANIA RD	ABCQ	TBAR	14-Nov-13
1979	BAR4529	92/92A	14-Nov-13	20495 PENNSYLVANIA RD	ABCQ	TBAR	14-Nov-13
1980	BAR4525	92/92A	14-Nov-13	20495 PENNSYLVANIA RD	ABCQ	TBAR	14-Nov-13

	H	I	J	K	L	M	N	O	P
1936	3801 WEST JEFFERSON	54	86,833	39.387	CLASSIC	248	$200.00	$200.00	
1937	3801 WEST JEFFERSON	54	86,531	39.250	CLASSIC	248	$200.00	$200.00	
1938	3801 WEST JEFFERSON	54	86,573	39.269	CLASSIC	248	$200.00	$200.00	
1939	36555 ECORSE RD	53	86,819	39.380	CLASSIC	248	$200.00	$200.00	
1940	36555 ECORSE RD	53	86,952	39.441	CLASSIC	248	$200.00	$200.00	
1941	36555 ECORSE RD	53	87,751	39.803	CLASSIC	248	$200.00	$200.00	
1942	36555 ECORSE RD	54	87,791	39.821	CLASSIC	248	$200.00	$200.00	
1943	36555 ECORSE RD	54	87,285	39.592	CLASSIC	248	$200.00	$200.00	
1944	36555 ECORSE RD	54	87,154	39.532	CLASSIC	248	$200.00	$200.00	
1945	151 LAFAYETTE	54	87,183	39.546	CLASSIC	248	$200.00	$200.00	
1946	151 LAFAYETTE	53	87,065	39.492	CLASSIC	248	$200.00	$200.00	
1947	151 LAFAYETTE	55	87,277	39.588	CLASSIC	248	$200.00	$200.00	
1948	151 LAFAYETTE	54	87,356	39.624	CLASSIC	248	$200.00	$200.00	
1949	151 LAFAYETTE	53	86,933	39.432	CLASSIC	248	$200.00	$200.00	
1950	151 LAFAYETTE	53	86,900	39.417	CLASSIC	248	$200.00	$200.00	
1951	151 LAFAYETTE	54	87,067	39.493	CLASSIC	248	$200.00	$200.00	
1952	151 LAFAYETTE	53	86,922	39.427	CLASSIC	248	$200.00	$200.00	
1953	151 LAFAYETTE	58	86,879	39.408	CLASSIC	248	$200.00	$200.00	
1954	151 LAFAYETTE	54	87,191	39.549	CLASSIC	248	$200.00	$200.00	
1955	1725 CICOTTE	53	86,476	39.225	ALGER/FULL CIRCLE	004233-01	$215.00	$215.00	
1956	1725 CICOTTE	53	86,542	39.255	ALGER/FULL CIRCLE	004234-01	$215.00	$215.00	
1957	1725 CICOTTE	54	87,487	39.683	ALGER/FULL CIRCLE	004235-01	$215.00	$215.00	
1958	1725 CICOTTE	8	12,985	5.890	ALGER/FULL CIRCLE	004236-01	$215.00	$215.00	
1959	1725 CICOTTE	58	86,873	39.405	CHAMPION	004189-01	$245.00	$245.00	
1960	1725 CICOTTE	54	87,422	39.654	CHAMPION	004190-01	$245.00	$245.00	
1961	1725 CICOTTE	56	87,366	39.629	CHAMPION	004191-01	$245.00	$245.00	
1962	1725 CICOTTE	60	87,779	39.816	CHAMPION	004192-01	$245.00	$245.00	
1963	1725 CICOTTE	56	87,273	39.586	CHAMPION	004193-01	$245.00	$245.00	
1964	36555 ECORSE RD	52	86,311	39.150	L&R	004325-01	$245.00	$245.00	
1965	36555 ECORSE RD	53	86,335	39.161	L&R	004326-01	$245.00	$245.00	
1966	36555 ECORSE RD	54	87,704	39.782	L&R	004327-01	$245.00	$245.00	
1967	36555 ECORSE RD	53	86,366	39.175	L&R	004328-01	$245.00	$245.00	
1968	36555 ECORSE RD	54	87,442	39.663	L&R	004329-01	$245.00	$245.00	
1969	4815 CABOT	22	34,928	15.843	ALCO	AD077070	$264.00	$264.00	
1970	4815 CABOT	55	87,495	39.687	ALCO	AD077072	$264.00	$264.00	
1971	4815 CABOT	55	87,316	39.606	ALCO	AD077074	$264.00	$264.00	
1972	4815 CABOT	55	87,357	39.625	ALCO	AD077075	$264.00	$264.00	
1973	4815 CABOT	55	87,141	39.527	ALCO	AD077076	$264.00	$264.00	
1974	4815 CABOT	55	87,473	39.677	ALCO	AD077077	$264.00	$264.00	
1975	36555 ECORSE RD	55	87,191	39.549	JP GRAHAM	14163	$270.00	$270.00	
1976	36555 ECORSE RD	58	87,953	39.895	JP GRAHAM	14164	$270.00	$270.00	
1977	36555 ECORSE RD	58	86,979	39.453	JP GRAHAM	14165	$270.00	$270.00	
1978	36555 ECORSE RD	56	87,006	39.465	JP GRAHAM	14248	$270.00	$270.00	
1979	36555 ECORSE RD	55	87,901	39.871	JP GRAHAM	14259	$270.00	$270.00	
1980	36555 ECORSE RD	56	86,666	39.311	JP GRAHAM	14260	$270.00	$270.00	

	A	B	C	D	E	F	G
1981	BAR4530	357/8014	14-Nov-13	20495 PENNSYLVANIA RD	ABCQ	TBAR	14-Nov-13
1982	BAR4526	357/8014	14-Nov-13	20495 PENNSYLVANIA RD	ABCQ	TBAR	14-Nov-13
1983	BAR4528	200/4577F	14-Nov-13	20495 PENNSYLVANIA RD	ABCQ	TBAR	14-Nov-13
1984	BAR4524	200/4577F	14-Nov-13	20495 PENNSYLVANIA RD	ABCQ	TBAR	14-Nov-13
1985	BAR4643	634/2139	14-Nov-13	151 LAFAYETTE	SHA	SOW	14-Nov-13
1986	BAR4632	711/2138	14-Nov-13	151 LAFAYETTE	SHA	SOW	14-Nov-13
1987	BAR4633	9934/2144	14-Nov-13	151 LAFAYETTE	SHA	SOW	14-Nov-13
1988	BAR4634	3140/2133A	14-Nov-13	151 LAFAYETTE	SHA	SOW	14-Nov-13
1989	BAR4635	634/2139	14-Nov-13	151 LAFAYETTE	SHA	SOW	14-Nov-13
1990	BAR4636	711/2138	14-Nov-13	151 LAFAYETTE	SHA	SOW	14-Nov-13
1991	BAR4637	9934/2144	14-Nov-13	151 LAFAYETTE	SHA	SOW	14-Nov-13
1992	BAR4638	3140/2133A	14-Nov-13	151 LAFAYETTE	SHA	SOW	14-Nov-13
1993	BAR4639	634/2139	14-Nov-13	151 LAFAYETTE	SHA	SOW	14-Nov-13
1994	BAR4640	9934/2144	14-Nov-13	151 LAFAYETTE	SHA	SOW	14-Nov-13
1995	BAR4641	711/2138	14-Nov-13	151 LAFAYETTE	SHA	SOW	14-Nov-13
1996	BAR4642	3140/2133A	14-Nov-13	151 LAFAYETTE	SHA	SOW	14-Nov-13
1997	BAR4644	3140/2133A	14-Nov-13	151 LAFAYETTE	SHA	SOW	14-Nov-13
1998	BAR4155	7092/312	15-Nov-13	3801 WEST JEFFERSON	ABI/DESCHAMBAULT	TBAR	15-Nov-13
1999	BAR4156	108/0080	15-Nov-13	3801 WEST JEFFERSON	DESCHAMBAULT	TBAR	15-Nov-13
2000	BAR4157	1569/204	15-Nov-13	3801 WEST JEFFERSON	DESCHAMBAULT	TBAR	15-Nov-13
2001	BAR4158	6/808	15-Nov-13	3801 WEST JEFFERSON	DESCHAMBAULT	TBAR	15-Nov-13
2002	BAR4159	L20/L20AB	15-Nov-13	3801 WEST JEFFERSON	DESCHAMBAULT	TBAR	15-Nov-13
2003	BAR4160	108/0080	15-Nov-13	3801 WEST JEFFERSON	DESCHAMBAULT	TBAR	15-Nov-13
2004	BAR4214		15-Nov-13	4815 CABOT	SHA	SOW	15-Nov-13
2005	BAR4215	108/0080	15-Nov-13	4815 CABOT	SHA	SOW	15-Nov-13
2006	BAR4216	1569/204	15-Nov-13	4815 CABOT	SHA	SOW	15-Nov-13
2007	BAR4217	6/808	15-Nov-13	4815 CABOT	SHA	SOW	15-Nov-13
2008	BAR4218		15-Nov-13	4815 CABOT	SHA	SOW	15-Nov-13
2009	BAR4219	7092/312	15-Nov-13	4815 CABOT	SHA	SOW	15-Nov-13
2010	BAR4220	108/0080	15-Nov-13	4815 CABOT	SHA	SOW	15-Nov-13
2011	BAR4221	1569/204	15-Nov-13	4815 CABOT	SHA	SOW	15-Nov-13
2012	BAR4222	6/808	15-Nov-13	4815 CABOT	SHA	SOW	15-Nov-13
2013	BAR4223	L20/L20AB	15-Nov-13	4815 CABOT	SHA	SOW	15-Nov-13
2014	BAR4224	108/0080	15-Nov-13	4815 CABOT	SHA	SOW	15-Nov-13
2015	BAR4226	806	15-Nov-13	21100 TROLLEY	ABCQ	TBAR	15-Nov-13
2016	BAR4227	611A/B	15-Nov-13	21100 TROLLEY	ABCQ	TBAR	15-Nov-13
2017	BAR4228	806	15-Nov-13	21100 TROLLEY	ABCQ	TBAR	15-Nov-13
2018	BAR4229	611A/B	15-Nov-13	21100 TROLLEY	ABCQ	TBAR	15-Nov-13
2019	BAR4230LTL	806	15-Nov-13	21100 TROLLEY	ABCQ	TBAR	15-Nov-13
2020	BAR4231	806	15-Nov-13	21146/21150 TROLLEY	SHA/ABCQ	SOW/TBAR	15-Nov-13
2021	BAR4369	33/611A/B	15-Nov-13	7900 N. HAGGERTY	SHA	SOW	15-Nov-13
2022	BAR4370	33/611A/B	15-Nov-13	7900 N. HAGGERTY	SHA	SOW	15-Nov-13
2023	BAR4371LTL	33/611A/B	15-Nov-13	7900 N. HAGGERTY	SHA	SOW	15-Nov-13
2024	BAR4444	520/2112	15-Nov-13	26090 23 MILE RD	SHA/ABCQ	SOW/TBAR	15-Nov-13
2025	BAR4445	21/5428	15-Nov-13	26090 23 MILE RD	SHA/ABCQ	SOW/TBAR	15-Nov-13

	H	I	J	K	L	M	N	O	P
1981	36555 ECORSE RD	55	87,282	39.590	JP GRAHAM	14271	$270.00	$270.00	
1982	36555 ECORSE RD	57	87,134	39.523	JP GRAHAM	14272	$270.00	$270.00	
1983	36555 ECORSE RD	58	87,966	39.901	JP GRAHAM	14347	$270.00	$270.00	
1984	36555 ECORSE RD	55	87,611	39.740	JP GRAHAM	14348	$270.00	$270.00	
1985	8650 MT. ELLIOTT	53	87,384	39.637	CHAMPION	00463-01	$285.00	$285.00	
1986	8650 MT. ELLIOTT	53	87,513	39.695	ALGER	004632-01	$285.00	$285.00	
1987	8650 MT. ELLIOTT	53	87,052	39.486	CHAMPION	004633-01	$285.00	$285.00	
1988	8650 MT. ELLIOTT	54	87,643	39.754	CHIEFS	004634-01	$285.00	$285.00	
1989	8650 MT. ELLIOTT	53	86,733	39.341	CHAMPION	004635-01	$285.00	$285.00	
1990	8650 MT. ELLIOTT	53	87,824	39.836	ALGER	004636-01	$285.00	$285.00	
1991	8650 MT. ELLIOTT	53	87,230	39.567	CHAMPION	004637-01	$285.00	$285.00	
1992	8650 MT. ELLIOTT	53	86,782	39.364	CHIEFS	004638-01	$285.00	$285.00	
1993	8650 MT. ELLIOTT	53	87,722	39.790	CHAMPION	004639-01	$285.00	$285.00	
1994	8650 MT. ELLIOTT	53	87,607	39.738	CHAMPION	004640-01	$285.00	$285.00	
1995	8650 MT. ELLIOTT	53	87,071	39.495	ALGER	004641-01	$285.00	$285.00	
1996	8650 MT. ELLIOTT	53	86,972	39.450	CHIEFS	004642-01	$285.00	$285.00	
1997	8650 MT. ELLIOTT	53	87,261	39.581	CHIEFS	004644-01	$285.00	$285.00	
1998	4815 CABOT	60	87,418	39.652	CLASSIC	248	$200.00	$200.00	
1999	4815 CABOT	58	86,927	39.429	CLASSIC	246	$200.00	$200.00	
2000	4815 CABOT	58	86,908	39.421	CLASSIC	248	$200.00	$200.00	
2001	4815 CABOT	58	87,151	39.531	CLASSIC	248	$200.00	$200.00	
2002	4815 CABOT	58	86,938	39.434	CLASSIC	248	$200.00	$200.00	
2003	4815 CABOT	58	86,898	39.416	CLASSIC	248	$200.00	$200.00	
2004	3801 WEST JEFFERSON	54	87,843	39.845	CLASSIC	248	$200.00	$200.00	
2005	3801 WEST JEFFERSON	54	87,515	39.696	CLASSIC	248	$200.00	$200.00	
2006	3801 WEST JEFFERSON	54	87,102	39.509	CLASSIC	248	$200.00	$200.00	
2007	3801 WEST JEFFERSON	54	87,191	39.549	CLASSIC	248	$200.00	$200.00	
2008	3801 WEST JEFFERSON	54	86,633	39.296	CLASSIC	248	$200.00	$200.00	
2009	3801 WEST JEFFERSON	54	86,754	39.351	CLASSIC	248	$200.00	$200.00	
2010	3801 WEST JEFFERSON	54	86,946	39.438	CLASSIC	248	$200.00	$200.00	
2011	3801 WEST JEFFERSON	54	87,219	39.562	CLASSIC	248	$200.00	$200.00	
2012	3801 WEST JEFFERSON	54	87,567	39.720	CLASSIC	248	$200.00	$200.00	
2013	3801 WEST JEFFERSON	53	86,576	39.270	CLASSIC	248	$200.00	$200.00	
2014	3801 WEST JEFFERSON	37	60,326	27.363	CLASSIC	248	$200.00	$200.00	
2015	1725 CICOTTE	56	86,923	39.428	CLASSIC	248	$200.00	$200.00	
2016	1725 CICOTTE	56	87,251	39.576	CLASSIC	248	$200.00	$200.00	
2017	1725 CICOTTE	55	87,746	39.801	CLASSIC	248	$200.00	$200.00	
2018	1725 CICOTTE	54	86,466	39.220	CLASSIC	248	$200.00	$200.00	
2019	1725 CICOTTE	20	31,944	14.490	CLASSIC	248	$200.00	$200.00	
2020	1725 CICOTTE	54	87,083	39.500	CLASSIC	248	$200.00	$200.00	
2021	36555 ECORSE RD	53	86,973	39.450	CLASSIC	248	$200.00	$200.00	
2022	36555 ECORSE RD	54	86,948	39.439	CLASSIC	248	$200.00	$200.00	
2023	36555 ECORSE RD	22	36,059	16.356	CLASSIC	248	$200.00	$200.00	
2024	151 LAFAYETTE	54	86,873	39.405	CLASSIC	248	$200.00	$200.00	
2025	151 LAFAYETTE	54	87,438	39.661	CLASSIC	248	$200.00	$200.00	

	A	B	C	D	E	F	G
2026	BAR4446	194/4593	15-Nov-13	26090 23 MILE RD	SHA	SOW	15-Nov-13
2027	BAR4447	520/2112	15-Nov-13	26090 23 MILE RD	SHA	SOW	15-Nov-13
2028	BAR4448	211/5428	15-Nov-13	26090 23 MILE RD	SHA	SOW	15-Nov-13
2029	BAR4449	4/4B	15-Nov-13	26090 23 MILE RD	SHA/ALOUETTE	SOW	15-Nov-13
2030	BAR4450	520/2112	15-Nov-13	26090 23 MILE RD	ALOUETTE	SOW	15-Nov-13
2031	BAR4451	21/5428	15-Nov-13	26090 23 MILE RD	ALOUETTE	SOW	15-Nov-13
2032	BAR4452	4/4B	15-Nov-13	26090 23 MILE RD	ABCQ/SHA/ALOUETTE	TBAR/SOW	15-Nov-13
2033	BAR4453	520/2112	15-Nov-13	26090 23 MILE RD	SHA	SOW	15-Nov-13
2034	BAR4454	21/5428	15-Nov-13	26090 23 MILE RD	SHA	SOW	15-Nov-13
2035	BAR4455	4/4B	15-Nov-13	26090 23 MILE RD	SHA	SOW	15-Nov-13
2036	BAR4456	520/2112	15-Nov-13	26090 23 MILE RD	SHA	SOW	15-Nov-13
2037	BAR4457	21/5428	15-Nov-13	26090 23 MILE RD	SHA/ALOUETTE/ABCQ	SOW/TBAR	15-Nov-13
2038	BAR4194	108/2140A	15-Nov-13	1200 E. MCNICHOLS	DESCHAMBAULT/SHA	TBAR/SOW	15-Nov-13
2039	BAR4195	108/2140A	15-Nov-13	1200 E. MCNICHOLS	SHA	SOW	15-Nov-13
2040	BAR4196	111/2150A	15-Nov-13	1200 E. MCNICHOLS	SHA	SOW	15-Nov-13
2041	BAR4197	111/2150A	15-Nov-13	1200 E. MCNICHOLS	SHA	SOW	15-Nov-13
2042	BAR4198	108/2140A	15-Nov-13	1200 E. MCNICHOLS	SHA	SOW	15-Nov-13
2043	BAR4199	111/2150A	15-Nov-13	1200 E. MCNICHOLS	SHA	SOW	15-Nov-13
2044	BAR4200	108/2140A	15-Nov-13	1200 E. MCNICHOLS	SHA	SOW	15-Nov-13
2045	BAR4201	111/2150A	15-Nov-13	1200 E. MCNICHOLS	SHA	SOW	15-Nov-13
2046	BAR4330	094/17A	15-Nov-13	308 N. ANTOINE	SHA	SOW	15-Nov-13
2047	BAR4331	094/17A	15-Nov-13	308 N. ANTOINE	SHA	SOW	15-Nov-13
2048	BAR4332LTL	094/17A	15-Nov-13	308 N. ANTOINE	SHA	SOW	15-Nov-13
2049	BAR4532	670/670A	15-Nov-13	20495 PENNSYLVANIA RD	ABCQ	TBAR	15-Nov-13
2050	BAR4536	670/670A	15-Nov-13	20495 PENNSYLVANIA RD	ABCQ	TBAR	15-Nov-13
2051	BAR4541	670/670A	15-Nov-13	20495 PENNSYLVANIA RD	ABCQ	TBAR	15-Nov-13
2052	BAR4544	670/670A	15-Nov-13	20495 PENNSYLVANIA RD	ABCQ	TBAR	15-Nov-13
2053	BAR4540	92/92A	15-Nov-13	20495 PENNSYLVANIA RD	ABCQ	TBAR	15-Nov-13
2054	BAR4537	92/92A	15-Nov-13	20495 PENNSYLVANIA RD	ABCQ	TBAR	15-Nov-13
2055	BAR4533	92/92A	15-Nov-13	20495 PENNSYLVANIA RD	ABCQ	TBAR	15-Nov-13
2056	BAR4545	357/8014	15-Nov-13	20495 PENNSYLVANIA RD	ABCQ	TBAR	15-Nov-13
2057	BAR4542	357/357A	15-Nov-13	20495 PENNSYLVANIA RD	ABCQ	TBAR	15-Nov-13
2058	BAR4538	357/8014	15-Nov-13	20495 PENNSYLVANIA RD	ABCQ	TBAR	15-Nov-13
2059	BAR4534	357/8014	15-Nov-13	20495 PENNSYLVANIA RD	ABCQ	TBAR	15-Nov-13
2060	BAR4543	200/4577F	15-Nov-13	20495 PENNSYLVANIA RD	ABCQ	TBAR	15-Nov-13
2061	BAR4539	200/200A	15-Nov-13	20495 PENNSYLVANIA RD	ABCQ	TBAR	15-Nov-13
2062	BAR4535	200/4577F	15-Nov-13	20495 PENNSYLVANIA RD	ABCQ	TBAR	15-Nov-13
2063	BAR4645	413/2137A	15-Nov-13	151 LAFAYETTE	SHA	SOW	15-Nov-13
2064	BAR4646	99342144	15-Nov-13	151 LAFAYETTE	SHA	SOW	15-Nov-13
2065	BAR4647	711/2138	15-Nov-13	151 LAFAYETTE	SHA	SOW	15-Nov-13
2066	BAR4648	3140/2133A	15-Nov-13	151 LAFAYETTE	SHA	SOW	15-Nov-13
2067	BAR4649	634/2134	15-Nov-13	151 LAFAYETTE	SHA	SOW	15-Nov-13
2068	BAR4650	413/2137A	15-Nov-13	151 LAFAYETTE	SHA	SOW	15-Nov-13
2069	BAR4651	711/2138	15-Nov-13	151 LAFAYETTE	SHA	SOW	15-Nov-13
2070	BAR4652	3140/2133A	15-Nov-13	151 LAFAYETTE	SHA	SOW	15-Nov-13

	H	I	J	K	L	M	N	O	P
2026	151 LAFAYETTE	53	86,919	39.426	CLASSIC	248	$200.00	$200.00	
2027	151 LAFAYETTE	53	87,143	39.527	CLASSIC	248	$200.00	$200.00	
2028	151 LAFAYETTE	53	87,008	39.466	CLASSIC	248	$200.00	$200.00	
2029	151 LAFAYETTE	53	86,690	39.322	CLASSIC	248	$200.00	$200.00	
2030	151 LAFAYETTE	55	87,162	39.536	CLASSIC	248	$200.00	$200.00	
2031	151 LAFAYETTE	55	87,697	39.779	CLASSIC	248	$200.00	$200.00	
2032	151 LAFAYETTE	57	86,521	39.245	CLASSIC	248	$200.00	$200.00	
2033	151 LAFAYETTE	53	86,882	39.409	CLASSIC	248	$200.00	$200.00	
2034	151 LAFAYETTE	53	86,910	39.422	CLASSIC	248	$200.00	$200.00	
2035	151 LAFAYETTE	53	86,915	39.424	CLASSIC	248	$200.00	$200.00	
2036	151 LAFAYETTE	53	86,856	39.397	CLASSIC	248	$200.00	$200.00	
2037	151 LAFAYETTE	54	86,570	39.268	CLASSIC	248	$200.00	$200.00	
2038	1725 CICOTTE	57	87,702	39.781	CHAMPION	004194-01	$245.00	$245.00	
2039	1725 CICOTTE	54	87,094	39.505	CHAMPION	004195-01	$245.00	$245.00	
2040	1725 CICOTTE	53	86,635	39.297	CHAMPION	004196-01	$245.00	$245.00	
2041	1725 CICOTTE	53	86,335	39.161	CHAMPION	004197-01	$245.00	$245.00	
2042	1725 CICOTTE	54	87,445	39.664	CHAMPION	004198-01	$245.00	$245.00	
2043	1725 CICOTTE	55	87,922	39.881	CHAMPION	004199-01	$245.00	$245.00	
2044	1725 CICOTTE	53	86,741	39.345	CHAMPION	004200-01	$245.00	$245.00	
2045	1725 CICOTTE	37	60,726	27.545	CHAMPION	004201-01	$245.00	$245.00	
2046	36555 ECORSE RD	54	87,844	39.845	L&R	004330-01	$245.00	$245.00	
2047	36555 ECORSE RD	54	87,704	39.782	L&R	004331-01	$245.00	$245.00	
2048	36555 ECORSE RD	4	6,404	2.905	L&R	004332-01	$245.00	$245.00	
2049	36555 ECORSE RD	55	87,965	39.900	JP GRAHAM	14166	$270.00	$270.00	
2050	36555 ECORSE RD	56	86,612	39.287	JP GRAHAM	14167	$270.00	$270.00	
2051	36555 ECORSE RD	55	87,856	39.851	JP GRAHAM	14168	$270.00	$270.00	
2052	36555 ECORSE RD	55	87,838	39.843	JP GRAHAM	14170	$270.00	$270.00	
2053	36555 ECORSE RD	54	86,401	39.191	JP GRAHAM	14256	$270.00	$270.00	
2054	36555 ECORSE RD	58	86,961	39.445	JP GRAHAM	14257	$270.00	$270.00	
2055	36555 ECORSE RD	55	87,764	39.809	JP GRAHAM	14258	$270.00	$270.00	
2056	36555 ECORSE RD	58	87,926	39.883	JP GRAHAM	14265	$270.00	$270.00	
2057	36555 ECORSE RD	55	87,882	39.863	JP GRAHAM	14266	$270.00	$270.00	
2058	36555 ECORSE RD	55	87,811	39.830	JP GRAHAM	14268	$270.00	$270.00	
2059	36555 ECORSE RD	55	86,650	39.304	JP GRAHAM	14269	$270.00	$270.00	
2060	36555 ECORSE RD	55	87,945	39.891	JP GRAHAM	14341	$270.00	$270.00	
2061	36555 ECORSE RD	55	87,619	39.743	JP GRAHAM	14344	$270.00	$270.00	
2062	36555 ECORSE RD	59	86,808	39.375	JP GRAHAM	14345	$270.00	$270.00	
2063	8650 MT. ELLIOTT	53	86,414	39.197	CHAMPION	004645-01	$285.00	$285.00	
2064	8650 MT. ELLIOTT	53	87,621	39.744	CHAMPION	004646-01	$285.00	$285.00	
2065	8650 MT. ELLIOTT	53	87,543	39.709	ALGER	004647-01	$285.00	$285.00	
2066	8650 MT. ELLIOTT	53	86,864	39.401	CHIEFS	004648-01	$285.00	$285.00	
2067	8650 MT. ELLIOTT	53	87,231	39.567	CHAMPION	004649-01	$285.00	$285.00	
2068	8650 MT. ELLIOTT	53	87,261	39.581	CHAMPION	004650-01	$285.00	$285.00	
2069	8650 MT. ELLIOTT	53	87,312	39.604	ALGER	004651-01	$285.00	$285.00	
2070	8650 MT. ELLIOTT	53	86,909	39.421	CHIEFS	004652-01	$285.00	$285.00	

	A	B	C	D	E	F	G
2071	BAR4653	9934/2144	15-Nov-13	151 LAFAYETTE	SHA	SOW	15-Nov-13
2072	BAR4654	413/2137A	15-Nov-13	151 LAFAYETTE	SHA	SOW	15-Nov-13
2073	BAR4655	711/2138	15-Nov-13	151 LAFAYETTE	SHA	SOW	15-Nov-13
2074	BAR4656	3140/2133A	15-Nov-13	151 LAFAYETTE	SHA	SOW	15-Nov-13
2075	BAR4657	9934/2144	15-Nov-13	151 LAFAYETTE	SHA	SOW	15-Nov-13
2076	BAR4232LTL	80	18-Nov-13	21150 TROLLEY	SHA	SOW	18-Nov-13
2077	BAR4458	194/806	18-Nov-13	26090 23 MILE RD	SHA/ABCQ	SOW/TBAR	18-Nov-13
2078	BAR4459	21/5428	18-Nov-13	26090 23 MILE RD	SHA/ALOUETTE	SOW	18-Nov-13
2079	BAR4460	520/2112	18-Nov-13	26090 23 MILE RD	ABCQ/ALOUETTE	SOW/TBAR	18-Nov-13
2080	BAR4461	4/4B	18-Nov-13	26090 23 MILE RD	ABCQ	TBAR	18-Nov-13
2081	BAR4462	194/806	18-Nov-13	26090 23 MILE RD	SHA/ABCQ	SOW/TBAR	18-Nov-13
2082	BAR4463	21/5428	18-Nov-13	26090 23 MILE RD	SHA	SOW	18-Nov-13
2083	BAR4464	520/2112	18-Nov-13	26090 23 MILE RD	SHA/ABCQ	SOW/TBAR	18-Nov-13
2084	BAR4465	4/4B	18-Nov-13	26090 23 MILE RD	ABCQ/ALOUETTE	SOW/TBAR	18-Nov-13
2085	BAR4466	194/806	18-Nov-13	26090 23 MILE RD	ABCQ/ALOUETTE	SOW/TBAR	18-Nov-13
2086	BAR4467	21/5428	18-Nov-13	26090 23 MILE RD	ABCQ	TBAR	18-Nov-13
2087	BAR4468	520/2112	18-Nov-13	26090 23 MILE RD	SHA/ABCQ	SOW/TBAR	18-Nov-13
2088	BAR4469	4/4B	18-Nov-13	26090 23 MILE RD	SHA/ABCQ	SOW/TBAR	18-Nov-13
2089	BAR4470	21/5428	18-Nov-13	26090 23 MILE RD	SHA/ABCQ	SOW/TBAR	18-Nov-13
2090	BAR4471	520/2112	18-Nov-13	26090 23 MILE RD	SHA	SOW	18-Nov-13
2091	BAR4472	4/4B	18-Nov-13	26090 23 MILE RD	SHA/ABCQ/ABI	SOW/TBAR	18-Nov-13
2092	BAR4473LTL	194/806	18-Nov-13	26090 23 MILE RD	ABI	TBAR	18-Nov-13
2093	BAR4548	92/92A	18-Nov-13	20495 PENNSYLVANIA RD	ABI/SHA	SOW/TBAR	18-Nov-13
2094	BAR4546	92/92A	18-Nov-13	20495 PENNSYLVANIA RD	SHA/ABCQ	SOW/TBAR	18-Nov-13
2095	BAR4551	92/92A	18-Nov-13	20495 PENNSYLVANIA RD	ABI	TBAR	18-Nov-13
2096	BAR4550	1735/1735A	18-Nov-13	20495 PENNSYLVANIA RD	ABI	TBAR	18-Nov-13
2097	BAR4554	1735/1735A	18-Nov-13	20495 PENNSYLVANIA RD	ABI	TBAR	18-Nov-13
2098	BAR4547	670/670A	18-Nov-13	20495 PENNSYLVANIA RD	SHA	SOW	18-Nov-13
2099	BAR4549	670/670A	18-Nov-13	20495 PENNSYLVANIA RD	ABI	TBAR	18-Nov-13
2100	BAR4552	670/670A	18-Nov-13	20495 PENNSYLVANIA RD	ABI	TBAR	18-Nov-13
2101	BAR4553	200/200A	18-Nov-13	20495 PENNSYLVANIA RD	ABI	TBAR	18-Nov-13
2102	BAR4658	108/2140A	18-Nov-13	151 LAFAYETTE	SHA	SOW	18-Nov-13
2103	BAR4659	413/2137A	18-Nov-13	151 LAFAYETTE	SHA	SOW	18-Nov-13
2104	BAR4660	9934/2144	18-Nov-13	151 LAFAYETTE	SHA	SOW	18-Nov-13
2105	BAR4661	711/2138A	18-Nov-13	151 LAFAYETTE	SHA	SOW	18-Nov-13
2106	BAR4662	3140/2133A	18-Nov-13	151 LAFAYETTE	SHA	SOW	18-Nov-13
2107	BAR4663	108/2140A	18-Nov-13	151 LAFAYETTE	SHA	SOW	18-Nov-13
2108	BAR4664	413/2137A	18-Nov-13	151 LAFAYETTE	SHA	SOW	18-Nov-13
2109	BAR4665	9934/2144	18-Nov-13	151 LAFAYETTE	SHA	SOW	18-Nov-13
2110	BAR4666	711/2138A	18-Nov-13	151 LAFAYETTE	SHA	SOW	18-Nov-13
2111	BAR4667	3140/2133A	18-Nov-13	151 LAFAYETTE	SHA	SOW	18-Nov-13
2112	BAR4668	413/2137A	18-Nov-13	151 LAFAYETTE	SHA	SOW	18-Nov-13
2113	BAR4669	9934/2144	18-Nov-13	151 LAFAYETTE	SHA	SOW	18-Nov-13
2114	BAR4670	74/2138A	18-Nov-13	151 LAFAYETTE	SHA	SOW	18-Nov-13
2115	BAR4671LTL	3140/2133A	18-Nov-13	151 LAFAYETTE	SHA	SOW	18-Nov-13

	H	I	J	K	L	M	N	O	P
2071	8650 MT. ELLIOTT	54	87,645	39.755	CHAMPION	004653-01	$285.00	$285.00	
2072	8650 MT. ELLIOTT	53	86,849	39.394	CHAMPION	004654-01	$285.00	$285.00	
2073	8650 MT. ELLIOTT	53	86,732	39.341	ALGER	004655-01	$285.00	$285.00	
2074	8650 MT. ELLIOTT	53	87,418	39.652	CHIEFS	004656-01	$285.00	$285.00	
2075	8650 MT. ELLIOTT	53	87,385	39.637	CHAMPION	004657-01	$285.00	$285.00	
2076	1725 CICOTTE	46	75,511	34.251	CLASSIC	249	$200.00	$200.00	
2077	151 LAFAYETTE	54	87,644	39.755	CLASSIC	249	$200.00	$200.00	
2078	151 LAFAYETTE	56	87,299	39.598	CLASSIC	249	$200.00	$200.00	
2079	151 LAFAYETTE	57	86,457	39.216	CLASSIC	249	$200.00	$200.00	
2080	151 LAFAYETTE	55	87,970	39.903	CLASSIC	249	$200.00	$200.00	
2081	151 LAFAYETTE	54	86,541	39.254	CLASSIC	249	$200.00	$200.00	
2082	151 LAFAYETTE	53	86,929	39.430	CLASSIC	249	$200.00	$200.00	
2083	151 LAFAYETTE	54	86,483	39.228	CLASSIC	249	$200.00	$200.00	
2084	151 LAFAYETTE	55	87,913	39.877	CLASSIC	249	$200.00	$200.00	
2085	151 LAFAYETTE	55	87,506	39.692	CLASSIC	249	$200.00	$200.00	
2086	151 LAFAYETTE	56	86,719	39.335	CLASSIC	249	$200.00	$200.00	
2087	151 LAFAYETTE	57	87,208	39.557	CLASSIC	249	$200.00	$200.00	
2088	151 LAFAYETTE	55	87,688	39.775	CLASSIC	249	$200.00	$200.00	
2089	151 LAFAYETTE	54	86,375	39.179	CLASSIC	249	$200.00	$200.00	
2090	151 LAFAYETTE	53	86,728	39.339	CLASSIC	249	$200.00	$200.00	
2091	151 LAFAYETTE	54	86,919	39.426	CLASSIC	249	$200.00	$200.00	
2092	151 LAFAYETTE	24	38,359	17.399	CLASSIC	249	$200.00	$200.00	
2093	36555 ECORSE RD	54	87,011	39.468	JP GRAHAM	14982	$270.00	$270.00	
2094	36555 ECORSE RD	56	87,947	39.892	JP GRAHAM	14965	$270.00	$270.00	
2095	36555 ECORSE RD	61	87,666	39.765	JP GRAHAM	14987	$270.00	$270.00	
2096	36555 ECORSE RD	56	86,609	39.285	JP GRAHAM	15007	$270.00	$270.00	
2097	36555 ECORSE RD	62	89,429	40.564	JP GRAHAM	15010	$270.00	$270.00	
2098	36555 ECORSE RD	55	87,902	39.872	JP GRAHAM	15012	$270.00	$270.00	
2099	36555 ECORSE RD	54	87,232	39.568	JP GRAHAM	15014	$270.00	$270.00	
2100	36555 ECORSE RD	61	87,412	39.649	JP GRAHAM	15068	$270.00	$270.00	
2101	36555 ECORSE RD	61	87,371	39.631	JP GRAHAM	15781	$270.00	$270.00	
2102	8650 MT. ELLIOTT	53	87,250	39.576	CHAMPION	004658-01	$285.00	$285.00	
2103	8650 MT. ELLIOTT	53	87,237	39.570	CHAMPION	004659-01	$285.00	$285.00	
2104	8650 MT. ELLIOTT	53	87,427	39.656	CHAMPION	004660-01	$285.00	$285.00	
2105	8650 MT. ELLIOTT	53	86,853	39.396	ALGER	004661-01	$285.00	$285.00	
2106	8650 MT. ELLIOTT	53	87,244	39.573	CHEFS	004662-01	$285.00	$285.00	
2107	8650 MT. ELLIOTT	53	87,180	39.544	CHAMPION	004663-01	$285.00	$285.00	
2108	8650 MT. ELLIOTT	54	87,360	39.626	CHAMPION	004664-01	$285.00	$285.00	
2109	8650 MT. ELLIOTT	53	86,917	39.425	CHAMPION	004665-01	$285.00	$285.00	
2110	8650 MT. ELLIOTT	53	87,118	39.516	ALGER	004666-01	$285.00	$285.00	
2111	8650 MT. ELLIOTT	55	87,700	39.780	CHEFS	004667-01	$285.00	$285.00	
2112	8650 MT. ELLIOTT	54	87,902	39.872	CHAMPION	004668-01	$285.00	$285.00	
2113	8650 MT. ELLIOTT	53	86,750	39.349	CHAMPION	004669-01	$285.00	$285.00	
2114	8650 MT. ELLIOTT	53	86,989	39.458	ALGER	004670-01	$285.00	$285.00	
2115	8650 MT. ELLIOTT	11	18,285	8.294	CHEFS	004671-01	$285.00	$285.00	

	A	B	C	D	E	F	G
2116	BAR4926	924/806	3-Dec-13	50750 RUSSEL SCHMIDT	DESCHAMBAULT	TBAR	3-Dec-13
2117	BAR4927	4/4B	3-Dec-13	50750 RUSSEL SCHMIDT	DESCHAMBAULT	TBAR	3-Dec-13
2118	BAR4928	520/2112	3-Dec-13	50750 RUSSEL SCHMIDT	DESCHAMBAULT	TBAR	3-Dec-13
2119	BAR4929	924/806	3-Dec-13	50750 RUSSEL SCHMIDT	DESCHAMBAULT/ABI	TBAR	3-Dec-13
2120	BAR4930	4/4B	3-Dec-13	50750 RUSSEL SCHMIDT	DESCHAMBAULT/ABI	TBAR	3-Dec-13
2121	BAR4931	520/2112	3-Dec-13	50750 RUSSEL SCHMIDT	DESCHAMBAULT/ABI	TBAR	3-Dec-13
2122	BAR4932	4/4B	3-Dec-13	50750 RUSSEL SCHMIDT	DESCHAMBAULT	TBAR	3-Dec-13
2123	BAR4933	520/2112	3-Dec-13	50750 RUSSEL SCHMIDT	DESCHAMBAULT	TBAR	3-Dec-13
2124	BAR4934LTL	924/806	3-Dec-13	50750 RUSSEL SCHMIDT	DESCHAMBAULT	TBAR	3-Dec-13
2125	BAR4821	9934/2144	3-Dec-13	151 LAFAYETTE	SHA	SOW	3-Dec-13
2126	BAR4822	711/2138	3-Dec-13	151 LAFAYETTE	SHA	SOW	3-Dec-13
2127	BAR4823	9934/2144	3-Dec-13	151 LAFAYETTE	SHA	SOW	3-Dec-13
2128	BAR4824	711/2138	3-Dec-13	151 LAFAYETTE	SHA	SOW	3-Dec-13
2129	BAR4825	9934/2144	3-Dec-13	151 LAFAYETTE	SHA	SOW	3-Dec-13
2130	BAR4826	711/2138	3-Dec-13	151 LAFAYETTE	SHA	SOW	3-Dec-13
2131	BAR4827	9934/2144	3-Dec-13	151 LAFAYETTE	SHA	SOW	3-Dec-13
2132	BAR4965	670/670A	3-Dec-13	20495 PENNSYLVANIA RD	ABI	TBAR	3-Dec-13
2133	BAR4969	670/670A	3-Dec-13	20495 PENNSYLVANIA RD	ABI	TBAR	3-Dec-13
2134	BAR4974	670/670A	3-Dec-13	20495 PENNSYLVANIA RD	ABI	TBAR	3-Dec-13
2135	BAR4975	007/007A	3-Dec-13	20495 PENNSYLVANIA RD	ABI	TBAR	3-Dec-13
2136	BAR4971	92/92A	3-Dec-13	20495 PENNSYLVANIA RD	ABI	TBAR	3-Dec-13
2137	BAR4966	92/92A	3-Dec-13	20495 PENNSYLVANIA RD	ABI	TBAR	3-Dec-13
2138	BAR4976	357/8014	3-Dec-13	20495 PENNSYLVANIA RD	ABI	TBAR	3-Dec-13
2139	BAR4972	357/8014	3-Dec-13	20495 PENNSYLVANIA RD	ABI	TBAR	3-Dec-13
2140	BAR4967	357/8014	3-Dec-13	20495 PENNSYLVANIA RD	ABI	TBAR	3-Dec-13
2141	BAR4973	007/007A	3-Dec-13	20495 PENNSYLVANIA RD	ABI	TBAR	3-Dec-13
2142	BAR4968	007/007A	3-Dec-13	20495 PENNSYLVANIA RD	ABI	TBAR	3-Dec-13
2143	BAR4970	200/200A	3-Dec-13	20495 PENNSYLVANIA RD	ABI	TBAR	3-Dec-13
2144	BAR4964	200/200A	3-Dec-13	20495 PENNSYLVANIA RD	ABI	TBAR	3-Dec-13
2145	BAR4674	924/806	4-Dec-13	26090 23 MILE RD	ALMA	SOW	4-Dec-13
2146	BAR4675	1520/2112	4-Dec-13	26090 23 MILE RD	ALMA	SOW	4-Dec-13
2147	BAR4676	108/0080	4-Dec-13	26090 23 MILE RD	ALMA	SOW	4-Dec-13
2148	BAR4677	1520/2112	4-Dec-13	26090 23 MILE RD	ALMA	SOW	4-Dec-13
2149	BAR4678	1520/2112	4-Dec-13	26090 23 MILE RD	ALMA	SOW	4-Dec-13
2150	BAR4679	108/0080	4-Dec-13	26090 23 MILE RD	ALMA/ALOUETTE	SOW	4-Dec-13
2151	BAR4680	924/806	4-Dec-13	26090 23 MILE RD	ALOUETTE	SOW	4-Dec-13
2152	BAR4681	1520/2112	4-Dec-13	26090 23 MILE RD	ALOUETTE	SOW	4-Dec-13
2153	BAR4682	924/806	4-Dec-13	26090 23 MILE RD	ALOUETTE	SOW	4-Dec-13
2154	BAR4683	1520/2112	4-Dec-13	26090 23 MILE RD	ALOUETTE	SOW	4-Dec-13
2155	BAR4684	108/0080	4-Dec-13	26090 23 MILE RD	ALOUETTE	SOW	4-Dec-13
2156	BAR4685	108/0080	4-Dec-13	26090 23 MILE RD	ALOUETTE	SOW	4-Dec-13
2157	BAR4746	6/5428	4-Dec-13	4815 CABOT	ALMA	SOW	4-Dec-13
2158	BAR4747	4/4B	4-Dec-13	4815 CABOT	ALMA	SOW	4-Dec-13
2159	BAR4748	4/4B	4-Dec-13	4815 CABOT	ALMA	SOW	4-Dec-13
2160	BAR4749	6/5428	4-Dec-13	4815 CABOT	ALMA	SOW	4-Dec-13

	H	I	J	K	L	M	N	O	P
2116	26090 23 MILE ROAD A	58	87,578	39.725	CLASSIC	254	$200.00	$200.00	
2117	26090 23 MILE ROAD A	58	87,447	39.665	CLASSIC	254	$200.00	$200.00	
2118	26090 23 MILE ROAD A	58	87,705	39.782	CLASSIC	254	$200.00	$200.00	
2119	26090 23 MILE ROAD A	55	86,992	39.459	CLASSIC	254	$200.00	$200.00	
2120	26090 23 MILE ROAD A	55	86,834	39.387	CLASSIC	254	$200.00	$200.00	
2121	26090 23 MILE ROAD A	55	86,789	39.367	CLASSIC	254	$200.00	$200.00	
2122	26090 23 MILE ROAD A	58	87,609	39.739	CLASSIC	254	$200.00	$200.00	
2123	26090 23 MILE ROAD A	58	87,481	39.681	CLASSIC	254	$200.00	$200.00	
2124	26090 23 MILE ROAD A	7	10,620	4.817	CLASSIC	254	$200.00	$200.00	
2125	26090 23 MILE ROAD A	55	87,920	39.880	CHAMPION	004821-01	$225.00	$225.00	
2126	26090 23 MILE ROAD A	54	87,989	39.911	ALGER	004822-01	$225.00	$225.00	
2127	26090 23 MILE ROAD A	53	87,292	39.595	CHAMPION	004823-01	$225.00	$225.00	
2128	26090 23 MILE ROAD A	53	87,177	39.543	ALGER	004824-01	$225.00	$225.00	
2129	26090 23 MILE ROAD A	53	87,413	39.650	CHAMPION	004825-01	$225.00	$225.00	
2130	26090 23 MILE ROAD A	53	86,854	39.396	ALGER	004826-01	$225.00	$225.00	
2131	26090 23 MILE ROAD A	53	86,668	39.312	CHAMPION	004827-01	$225.00	$225.00	
2132	36555 ECORSE RD	60	87,252	39.577	JP GRAHAM	16599	$270.00	$270.00	
2133	36555 ECORSE RD	60	86,567	39.266	JP GRAHAM	16600	$270.00	$270.00	
2134	36555 ECORSE RD	61	87,295	39.596	JP GRAHAM	16601	$270.00	$270.00	
2135	36555 ECORSE RD	61	87,289	39.594	JP GRAHAM	16657	$270.00	$270.00	
2136	36555 ECORSE RD	60	87,175	39.542	JP GRAHAM	16659	$270.00	$270.00	
2137	36555 ECORSE RD	60	87,097	39.507	JP GRAHAM	16661	$270.00	$270.00	
2138	36555 ECORSE RD	61	87,952	39.894	JP GRAHAM	16773	$270.00	$270.00	
2139	36555 ECORSE RD	61	87,757	39.806	JP GRAHAM	16774	$270.00	$270.00	
2140	36555 ECORSE RD	60	87,225	39.565	JP GRAHAM	16775	$270.00	$270.00	
2141	36555 ECORSE RD	60	87,044	39.483	JP GRAHAM	17871	$270.00	$270.00	
2142	36555 ECORSE RD	60	87,286	39.592	JP GRAHAM	17872	$270.00	$270.00	
2143	36555 ECORSE RD	60	86,821	39.381	JP GRAHAM	18079	$270.00	$270.00	
2144	36555 ECORSE RD	60	87,285	39.592	JP GRAHAM	18088	$270.00	$270.00	
2145	50750 RUSSEL SCHMIDT	63	86,818	39.380	CLASSIC	254	$200.00	$200.00	
2146	50750 RUSSEL SCHMIDT	67	87,663	39.763	CLASSIC	254	$200.00	$200.00	
2147	50750 RUSSEL SCHMIDT	66	87,445	39.664	CLASSIC	254	$200.00	$200.00	
2148	50750 RUSSEL SCHMIDT	69	87,742	39.799	CLASSIC	254	$200.00	$200.00	
2149	50750 RUSSEL SCHMIDT	67	87,157	39.534	CLASSIC	254	$200.00	$200.00	
2150	50750 RUSSEL SCHMIDT	61	87,352	39.622	CLASSIC	254	$200.00	$200.00	
2151	50750 RUSSEL SCHMIDT	56	87,125	39.519	CLASSIC	254	$200.00	$200.00	
2152	50750 RUSSEL SCHMIDT	55	87,769	39.811	CLASSIC	254	$200.00	$200.00	
2153	50750 RUSSEL SCHMIDT	55	87,427	39.656	CLASSIC	254	$200.00	$200.00	
2154	50750 RUSSEL SCHMIDT	56	87,927	39.883	CLASSIC	254	$200.00	$200.00	
2155	50750 RUSSEL SCHMIDT	55	87,732	39.795	CLASSIC	254	$200.00	$200.00	
2156	50750 RUSSEL SCHMIDT	56	87,610	39.739	CLASSIC	254	$200.00	$200.00	
2157	3801 W. JEFFERSON	62	87,050	39.485	CLASSIC	254	$200.00	$200.00	
2158	3801 W. JEFFERSON	65	87,413	39.650	CLASSIC	254	$200.00	$200.00	
2159	3801 W. JEFFERSON	65	87,929	39.884	CLASSIC	254	$200.00	$200.00	
2160	3801 W. JEFFERSON	65	87,539	39.707	CLASSIC	254	$200.00	$200.00	

	A	B	C	D	E	F	G
2161	BAR4750	4/4B	4-Dec-13	4815 CABOT	ALMA	SOW	4-Dec-13
2162	BAR4751	6/5428	4-Dec-13	4815 CABOT	ALMA/ALOUETTE	SOW	4-Dec-13
2163	BAR4752	4/4B	4-Dec-13	4815 CABOT	ALMA/ALOUETTE	SOW	4-Dec-13
2164	BAR4753	6/5428	4-Dec-13	4815 CABOT	ALMA	SOW	4-Dec-13
2165	BAR4766	108/2140A	4-Dec-13	1200 E. MCNICHOLS	ABI	TBAR	4-Dec-13
2166	BAR4767	108/2140A	4-Dec-13	1200 E. MCNICHOLS	ABI	TBAR	4-Dec-13
2167	BAR4768	108/2140A	4-Dec-13	1200 E. MCNICHOLS	ABI	TBAR	4-Dec-13
2168	BAR4769	108/2140A	4-Dec-13	1200 E. MCNICHOLS	ABI	TBAR	4-Dec-13
2169	BAR4770	413/2137A	4-Dec-13	1200 E. MCNICHOLS	ABI	TBAR	4-Dec-13
2170	BAR4771	413/2137A	4-Dec-13	1200 E. MCNICHOLS	ABI	TBAR	4-Dec-13
2171	BAR4772	413/2137A	4-Dec-13	1200 E. MCNICHOLS	ABI	TBAR	4-Dec-13
2172	BAR4773	413/2137A	4-Dec-13	1200 E. MCNICHOLS	ABI	TBAR	4-Dec-13
2173	BAR4828	9934/2144	4-Dec-13	151 LAFAYETTE	SHA	SOW	4-Dec-13
2174	BAR4829	711/2138A	4-Dec-13	151 LAFAYETTE	SHA	SOW	4-Dec-13
2175	BAR4830	9934/2144	4-Dec-13	151 LAFAYETTE	SHA	SOW	4-Dec-13
2176	BAR4831	9934/2144	4-Dec-13	151 LAFAYETTE	SHA	SOW	4-Dec-13
2177	BAR4832	711/2138A	4-Dec-13	151 LAFAYETTE	SHA	SOW	4-Dec-13
2178	BAR4833	711/2138A	4-Dec-13	151 LAFAYETTE	SHA	SOW	4-Dec-13
2179	BAR4834	9934/2144	4-Dec-13	151 LAFAYETTE	SHA	SOW	4-Dec-13
2180	BAR4835	711/2138A	4-Dec-13	151 LAFAYETTE	SHA	SOW	4-Dec-13
2181	BAR4836	9934/2144	4-Dec-13	151 LAFAYETTE	SHA	SOW	4-Dec-13
2182	BAR4837	711/2138A	4-Dec-13	151 LAFAYETTE	SHA	SOW	4-Dec-13
2183	BAR4935	111/2150A	4-Dec-13	308 ANTOINE	ALMA	TBAR	4-Dec-13
2184	BAR4936	111/2150A	4-Dec-13	308 ANTOINE	ALMA	TBAR	4-Dec-13
2185	BAR4937	111/2150A	4-Dec-13	308 ANTOINE	ALMA	TBAR	4-Dec-13
2186	BAR4938	3014/2133A	4-Dec-13	308 ANTOINE	ALMA	TBAR	4-Dec-13
2187	BAR4939	3014/2133A	4-Dec-13	308 ANTOINE	ALMA	TBAR	4-Dec-13
2188	BAR4982	670/670A	4-Dec-13	20495 PENNSYLVANIA RD	ABI	TBAR	4-Dec-13
2189	BAR4987	670/670A	4-Dec-13	20495 PENNSYLVANIA RD	ABI	TBAR	4-Dec-13
2190	BAR4992	670/670A	4-Dec-13	20495 PENNSYLVANIA RD	ABI	TBAR	4-Dec-13
2191	BAR4994	92/92A	4-Dec-13	20495 PENNSYLVANIA RD	ABI	TBAR	4-Dec-13
2192	BAR4989	92/92A	4-Dec-13	20495 PENNSYLVANIA RD	ABI	TBAR	4-Dec-13
2193	BAR4984	92/92A	4-Dec-13	20495 PENNSYLVANIA RD	ABI	TBAR	4-Dec-13
2194	BAR4979	92/92A	4-Dec-13	20495 PENNSYLVANIA RD	ABI	TBAR	4-Dec-13
2195	BAR4977	670/670A	4-Dec-13	20495 PENNSYLVANIA RD	ABI	TBAR	4-Dec-13
2196	BAR4996	357/1804	4-Dec-13	20495 PENNSYLVANIA RD	ABI	TBAR	4-Dec-13
2197	BAR4991	357/1804	4-Dec-13	20495 PENNSYLVANIA RD	ABI	TBAR	4-Dec-13
2198	BAR4986	357/1804	4-Dec-13	20495 PENNSYLVANIA RD	ABI	TBAR	4-Dec-13
2199	BAR4981	357/1804	4-Dec-13	20495 PENNSYLVANIA RD	ABI	TBAR	4-Dec-13
2200	BAR4995	007/007A	4-Dec-13	20495 PENNSYLVANIA RD	ABI	TBAR	4-Dec-13
2201	BAR4990	007/007A	4-Dec-13	20495 PENNSYLVANIA RD	ABI	TBAR	4-Dec-13
2202	BAR4985	007/007A	4-Dec-13	20495 PENNSYLVANIA RD	ABI	TBAR	4-Dec-13
2203	BAR4980	007/007A	4-Dec-13	20495 PENNSYLVANIA RD	ABI	TBAR	4-Dec-13
2204	BAR4993	200/200A	4-Dec-13	20495 PENNSYLVANIA RD	ABI	TBAR	4-Dec-13
2205	BAR4988	200/200A	4-Dec-13	20495 PENNSYLVANIA RD	ABI	TBAR	4-Dec-13

	H	I	J	K	L	M	N	O	P
2161	3801 W. JEFFERSON	66	87,641	39.753	CLASSIC	254	$200.00	$200.00	
2162	3801 W. JEFFERSON	56	86,496	39.234	CLASSIC	254	$200.00	$200.00	
2163	3801 W. JEFFERSON	62	86,559	39.263	CLASSIC	254	$200.00	$200.00	
2164	3801 W. JEFFERSON	65	87,772	39.813	CLASSIC	254	$200.00	$200.00	
2165	6490 LYNCH	54	87,503	39.691	CHAMPION	004766-01	$215.00	$215.00	
2166	6490 LYNCH	54	86,827	39.384	CHAMPION	004767-01	$215.00	$215.00	
2167	6490 LYNCH	54	86,853	39.396	CHAMPION	004767-01	$215.00	$215.00	
2168	6490 LYNCH	54	87,416	39.651	CHAMPION	004769-01	$215.00	$215.00	
2169	6490 LYNCH	54	87,337	39.615	CHAMPION	004770-01	$215.00	$215.00	
2170	6490 LYNCH	54	87,123	39.518	CHAMPION	004771-01	$215.00	$215.00	
2171	6490 LYNCH	54	87,312	39.604	CHAMPION	004772-01	$215.00	$215.00	
2172	6490 LYNCH	54	87,640	39.753	CHAMPION	004773-01	$215.00	$215.00	
2173	26090 23 MILE RD	53	87,096	39.506	ALGER	004828-01	$225.00	$225.00	
2174	26090 23 MILE RD	53	87,636	39.751	ALGER	004829-01	$225.00	$225.00	
2175	26090 23 MILE RD	53	87,040	39.481	ALGER	004830-01	$225.00	$225.00	
2176	26090 23 MILE RD	53	87,040	39.481	ALGER	004831-01	$225.00	$225.00	
2177	26090 23 MILE RD	53	87,497	39.688	ALGER	004832-01	$225.00	$225.00	
2178	26090 23 MILE RD	53	87,368	39.630	ALGER	004833-01	$225.00	$225.00	
2179	26090 23 MILE RD	53	86,769	39.358	ALGER	004834-01	$225.00	$225.00	
2180	26090 23 MILE RD	53	87,612	39.740	ALGER	004835-01	$225.00	$225.00	
2181	26090 23 MILE RD	53	87,288	39.593	ALGER	004836-01	$225.00	$225.00	
2182	26090 23 MILE RD	53	87,101	39.508	ALGER	004837-01	$225.00	$225.00	
2183	20495 PENNSYLVANIA RD	52	86,588	39.276	CHAMPION	004935-01	$225.00	$225.00	
2184	20495 PENNSYLVANIA RD	53	87,586	39.728	CHAMPION	004936-01	$225.00	$225.00	
2185	20495 PENNSYLVANIA RD	53	87,517	39.697	CHAMPION	004937-01	$225.00	$225.00	
2186	20495 PENNSYLVANIA RD	53	87,630	39.748	CHIEFS	004938-01	$225.00	$225.00	
2187	20495 PENNSYLVANIA RD	53	87,569	39.721	CHIEFS	004939-01	$225.00	$225.00	
2188	36555 ECORSE RD	60	87,206	39.556	JP GRAHAM	16603	$270.00	$270.00	
2189	36555 ECORSE RD	60	87,040	39.481	JP GRAHAM	16604	$270.00	$270.00	
2190	36555 ECORSE RD	60	87,117	39.516	JP GRAHAM	16605	$270.00	$270.00	
2191	36555 ECORSE RD	61	87,780	39.816	JP GRAHAM	16648	$270.00	$270.00	
2192	36555 ECORSE RD	60	87,264	39.582	JP GRAHAM	16651	$270.00	$270.00	
2193	36555 ECORSE RD	60	87,275	39.587	JP GRAHAM	16652	$270.00	$270.00	
2194	36555 ECORSE RD	60	87,155	39.533	JP GRAHAM	16655	$270.00	$270.00	
2195	36555 ECORSE RD	61	87,528	39.702	JP GRAHAM	16735	$270.00	$270.00	
2196	36555 ECORSE RD	61	87,165	39.537	JP GRAHAM	16758	$270.00	$270.00	
2197	36555 ECORSE RD	60	87,332	39.613	JP GRAHAM	16760	$270.00	$270.00	
2198	36555 ECORSE RD	56	87,053	39.487	JP GRAHAM	16766	$270.00	$270.00	
2199	36555 ECORSE RD	60	87,268	39.584	JP GRAHAM	16772	$270.00	$270.00	
2200	36555 ECORSE RD	61	87,926	39.883	JP GRAHAM	17863	$270.00	$270.00	
2201	36555 ECORSE RD	60	87,142	39.527	JP GRAHAM	17865	$270.00	$270.00	
2202	36555 ECORSE RD	60	87,210	39.558	JP GRAHAM	17866	$270.00	$270.00	
2203	36555 ECORSE RD	60	87,238	39.571	JP GRAHAM	17869	$270.00	$270.00	
2204	36555 ECORSE RD	60	87,297	39.597	JP GRAHAM	18071	$270.00	$270.00	
2205	36555 ECORSE RD	60	87,009	39.467	JP GRAHAM	18072	$270.00	$270.00	

	A	B	C	D	E	F	G
2206	BAR4983	200/200A	4-Dec-13	20495 PENNSYLVANIA RD	ABI	TBAR	4-Dec-13
2207	BAR4978	200/200A	4-Dec-13	20495 PENNSYLVANIA RD	ABI	TBAR	4-Dec-13
2208	BAR4686	924/806	5-Dec-13	26090 23 MILE RD	ALOUETTE	SOW	5-Dec-13
2209	BAR4687	924/806	5-Dec-13	26090 23 MILE RD	ALOUETTE	SOW	5-Dec-13
2210	BAR4688	520/2112	5-Dec-13	26090 23 MILE RD	ALOUETTE	SOW	5-Dec-13
2211	BAR4689	520/2112	5-Dec-13	26090 23 MILE RD	ALOUETTE	SOW	5-Dec-13
2212	BAR4690	108/0080	5-Dec-13	26090 23 MILE RD	ALOUETTE	SOW	5-Dec-13
2213	BAR4691	924/806	5-Dec-13	26090 23 MILE RD	ALOUETTE	SOW	5-Dec-13
2214	BAR4692	520/2112	5-Dec-13	26090 23 MILE RD	ALOUETTE	SOW	5-Dec-13
2215	BAR4693	108/0080	5-Dec-13	26090 23 MILE RD	ALOUETTE	SOW	5-Dec-13
2216	BAR4694	924/806	5-Dec-13	26090 23 MILE RD	ALOUETTE	SOW	5-Dec-13
2217	BAR4695	520/2112	5-Dec-13	26090 23 MILE RD	ALOUETTE	SOW	5-Dec-13
2218	BAR4696	108/0080	5-Dec-13	26090 23 MILE RD	ALOUETTE	SOW	5-Dec-13
2219	BAR4754	4/4B	5-Dec-13	4815 CABOT	ALMA	SOW	5-Dec-13
2220	BAR4755	6/5428	5-Dec-13	4815 CABOT	ALMA	SOW	5-Dec-13
2221	BAR4756	33/611A/611B	5-Dec-13	4815 CABOT	ALMA	SOW	5-Dec-13
2222	BAR4757	4/4B	5-Dec-13	4815 CABOT	ALMA	SOW	5-Dec-13
2223	BAR4758	6/5428	5-Dec-13	4815 CABOT	ALMA/ALOUETTE	SOW	5-Dec-13
2224	BAR4759	33/611A/611B	5-Dec-13	4815 CABOT	ALOUETTE	SOW	5-Dec-13
2225	BAR4760	4/4B	5-Dec-13	4815 CABOT	ALOUETTE	SOW	5-Dec-13
2226	BAR4761	6/5428	5-Dec-13	4815 CABOT	ALMA/SHA/ALOUETTE	SOW	5-Dec-13
2227	BAR4774	413/2137A	5-Dec-13	1200 E. MCNICHOLS	ABI	TBAR	5-Dec-13
2228	BAR4775	413/2137A	5-Dec-13	1200 E. MCNICHOLS	ABI	TBAR	5-Dec-13
2229	BAR4776	413/2137A	5-Dec-13	1200 E. MCNICHOLS	ABI	TBAR	5-Dec-13
2230	BAR4777	413/2137A	5-Dec-13	1200 E. MCNICHOLS	ABI	TBAR	5-Dec-13
2231	BAR4778	095/17A	5-Dec-13	1200 E. MCNICHOLS	ABI	TBAR	5-Dec-13
2232	BAR4779	095/17A	5-Dec-13	1200 E. MCNICHOLS	ABI	TBAR	5-Dec-13
2233	BAR4780	095/17A	5-Dec-13	1200 E. MCNICHOLS	ABI	TBAR	5-Dec-13
2234	BAR4781	095/17A	5-Dec-13	1200 E. MCNICHOLS	ABI	TBAR	5-Dec-13
2235	BAR4817LTL	35/35A	5-Dec-13	160 VISGER	ALMA	SOW	5-Dec-13
2236	BAR4838	9934/2144	5-Dec-13	151 LAFAYETTE	SHA	SOW	5-Dec-13
2237	BAR4839	711/2138A	5-Dec-13	151 LAFAYETTE	SHA	SOW	5-Dec-13
2238	BAR4840	9934/2144	5-Dec-13	151 LAFAYETTE	SHA	SOW	5-Dec-13
2239	BAR4841	711/2138A	5-Dec-13	151 LAFAYETTE	SHA	SOW	5-Dec-13
2240	BAR4842	9934/2144	5-Dec-13	151 LAFAYETTE	SHA	SOW	5-Dec-13
2241	BAR4843	711/2138A	5-Dec-13	151 LAFAYETTE	SHA	SOW	5-Dec-13
2242	BAR4844	9934/2144	5-Dec-13	151 LAFAYETTE	SHA	SOW	5-Dec-13
2243	BAR4845	711/2138A	5-Dec-13	151 LAFAYETTE	SHA	SOW	5-Dec-13
2244	BAR4846	9934/2144	5-Dec-13	151 LAFAYETTE	SHA/ALMA	SOW	5-Dec-13
2245	BAR4847	711/2138A	5-Dec-13	151 LAFAYETTE	ALMA	SOW	5-Dec-13
2246	BAR4940	111/2150A	5-Dec-13	308 ANTOINE	SHA	SOW	5-Dec-13
2247	BAR4941	111/2150A	5-Dec-13	308 ANTOINE	SHA	SOW	5-Dec-13
2248	BAR4942	111/2150A	5-Dec-13	308 ANTOINE	SHA	SOW	5-Dec-13
2249	BAR4943	111/2150A	5-Dec-13	308 ANTOINE	SHA	SOW	5-Dec-13
2250	BAR4944	111/2150A	5-Dec-13	308 ANTOINE	SHA	SOW	5-Dec-13

	H	I	J	K	L	M	N	O	P
2206	36555 ECORSE RD	60	87,297	39.597	JP GRAHAM	18075	$270.00	$270.00	
2207	36555 ECORSE RD	61	87,796	39.824	JP GRAHAM	18077	$270.00	$270.00	
2208	50750 RUSSEL SCHMIDT	56	87,478	39.679	CLASSIC	254	$200.00	$200.00	
2209	50750 RUSSEL SCHMIDT	56	87,925	39.882	CLASSIC	254	$200.00	$200.00	
2210	50750 RUSSEL SCHMIDT	56	86,929	39.430	CLASSIC	254	$200.00	$200.00	
2211	50750 RUSSEL SCHMIDT	55	86,837	39.389	CLASSIC	254	$200.00	$200.00	
2212	50750 RUSSEL SCHMIDT	55	87,989	39.911	CLASSIC	254	$200.00	$200.00	
2213	50750 RUSSEL SCHMIDT	56	87,746	39.801	CLASSIC	254	$200.00	$200.00	
2214	50750 RUSSEL SCHMIDT	54	86,530	39.249	CLASSIC	254	$200.00	$200.00	
2215	50750 RUSSEL SCHMIDT	55	87,630	39.748	CLASSIC	254	$200.00	$200.00	
2216	50750 RUSSEL SCHMIDT	55	87,786	39.819	CLASSIC	254	$200.00	$200.00	
2217	50750 RUSSEL SCHMIDT	55	87,264	39.582	CLASSIC	254	$200.00	$200.00	
2218	50750 RUSSEL SCHMIDT	55	87,917	39.879	CLASSIC	254	$200.00	$200.00	
2219	3801 W. JEFFERSON	65	87,402	39.645	CLASSIC	254	$200.00	$200.00	
2220	3801 W. JEFFERSON	64	86,895	39.415	CLASSIC	254	$200.00	$200.00	
2221	3801 W. JEFFERSON	65	86,817	39.380	CLASSIC	254	$200.00	$200.00	
2222	3801 W. JEFFERSON	67	87,206	39.556	CLASSIC	254	$200.00	$200.00	
2223	3801 W. JEFFERSON	59	86,380	39.181	CLASSIC	254	$200.00	$200.00	
2224	3801 W. JEFFERSON	55	87,332	39.613	CLASSIC	254	$200.00	$200.00	
2225	3801 W. JEFFERSON	55	87,554	39.714	CLASSIC	254	$200.00	$200.00	
2226	3801 W. JEFFERSON	59	87,003	39.464	CLASSIC	254	$200.00	$200.00	
2227	6490 LYNCH	54	87,597	39.733	CHAMPION	004774-01	$215.00	$215.00	
2228	6490 LYNCH	54	87,481	39.681	CHAMPION	004775-01	$215.00	$215.00	
2229	6490 LYNCH	54	87,444	39.664	CHAMPION	004776-01	$215.00	$215.00	
2230	6490 LYNCH	54	87,016	39.470	CHAMPION	004777-01	$215.00	$215.00	
2231	6490 LYNCH	54	87,584	39.727	L&R TRUCKING	004778-01	$215.00	$215.00	
2232	6490 LYNCH	54	87,522	39.699	L&R TRUCKING	004779-01	$215.00	$215.00	
2233	6490 LYNCH	54	87,516	39.697	L&R TRUCKING	004780-01	$215.00	$215.00	
2234	6490 LYNCH	54	87,171	39.540	L&R TRUCKING	004781-01	$215.00	$215.00	
2235	308 ANTOINE	39	55,131	25.007	FULL CIRCLE	004817-01	$215.00	$215.00	
2236	26090 23 MILE RD	53	87,087	39.502	CHAMPION	004838-01	$225.00	$225.00	
2237	26090 23 MILE RD	54	87,136	39.524	ALGER	004839-01	$225.00	$225.00	
2238	26090 23 MILE RD	54	86,441	39.209	CHAMPION	004840-01	$225.00	$225.00	
2239	26090 23 MILE RD	53	87,570	39.721	ALGER	004841-01	$225.00	$225.00	
2240	26090 23 MILE RD	53	87,034	39.478	CHAMPION	004842-01	$225.00	$225.00	
2241	26090 23 MILE RD	53	86,995	39.460	ALGER	004843-01	$225.00	$225.00	
2242	26090 23 MILE RD	53	87,105	39.510	CHAMPION	004844-01	$225.00	$225.00	
2243	26090 23 MILE RD	53	87,210	39.558	ALGER	004845-01	$225.00	$225.00	
2244	26090 23 MILE RD	57	87,188	39.548	CHAMPION	004846-01	$225.00	$225.00	
2245	26090 23 MILE RD	65	87,141	39.527	ALGER	004847-01	$225.00	$225.00	
2246	20495 PENNSYLVANIA RD	54	87,283	39.591	CHAMPION	004940-01	$225.00	$225.00	
2247	20495 PENNSYLVANIA RD	55	87,813	39.831	CHAMPION	004941-01	$225.00	$225.00	
2248	20495 PENNSYLVANIA RD	54	87,618	39.743	CHAMPION	004942-01	$225.00	$225.00	
2249	20495 PENNSYLVANIA RD	54	87,720	39.789	CHAMPION	004943-01	$225.00	$225.00	
2250	20495 PENNSYLVANIA RD	53	87,310	39.603	CHAMPION	004944-01	$225.00	$225.00	

	A	B	C	D	E	F	G
2251	BAR5008	007/007A	5-Dec-13	20495 PENNSYLVANIA RD	ABI	TBAR	5-Dec-13
2252	BAR4997	670/670A	5-Dec-13	20495 PENNSYLVANIA RD	ABI	TBAR	5-Dec-13
2253	BAR5001	670/670A	5-Dec-13	20495 PENNSYLVANIA RD	ABI	TBAR	5-Dec-13
2254	BAR5007	670/670A	5-Dec-13	20495 PENNSYLVANIA RD	ABI	TBAR	5-Dec-13
2255	BAR5012	670/670A	5-Dec-13	20495 PENNSYLVANIA RD	ABI	TBAR	5-Dec-13
2256	BAR5014	92/92A	5-Dec-13	20495 PENNSYLVANIA RD	ABI	TBAR	5-Dec-13
2257	BAR5010	92/92A	5-Dec-13	20495 PENNSYLVANIA RD	ABI	TBAR	5-Dec-13
2258	BAR5005	92/92A	5-Dec-13	20495 PENNSYLVANIA RD	ABI	TBAR	5-Dec-13
2259	BAR5000	92/92A	5-Dec-13	20495 PENNSYLVANIA RD	ABI	TBAR	5-Dec-13
2260	BAR5015	357/8014	5-Dec-13	20495 PENNSYLVANIA RD	ABI	TBAR	5-Dec-13
2261	BAR5011	357/8014	5-Dec-13	20495 PENNSYLVANIA RD	ABI	TBAR	5-Dec-13
2262	BAR5006	357/8014	5-Dec-13	20495 PENNSYLVANIA RD	ABI	TBAR	5-Dec-13
2263	BAR5002	357/8014	5-Dec-13	20495 PENNSYLVANIA RD	ABI	TBAR	5-Dec-13
2264	BAR5013	007/007A	5-Dec-13	20495 PENNSYLVANIA RD	ABI	TBAR	5-Dec-13
2265	BAR5003	007/007A	5-Dec-13	20495 PENNSYLVANIA RD	ABI/SHA	TBAR/SOW	5-Dec-13
2266	BAR4998	007/007A	5-Dec-13	20495 PENNSYLVANIA RD	ABI	TBAR	5-Dec-13
2267	BAR5004	200/200A	5-Dec-13	20495 PENNSYLVANIA RD	ABI	TBAR	5-Dec-13
2268	BAR5016	200/200A	5-Dec-13	20495 PENNSYLVANIA RD	ABI	TBAR	5-Dec-13
2269	BAR5009	200/200A	5-Dec-13	20495 PENNSYLVANIA RD	ABI	TBAR	5-Dec-13
2270	BAR4999	200/200A	5-Dec-13	20495 PENNSYLVANIA RD	ABI	TBAR	5-Dec-13
2271	BAR4697	520/2112	6-Dec-13	26090 23 MILE RD	ALOUETTE	SOW	6-Dec-13
2272	BAR4698	520/2112	6-Dec-13	26090 23 MILE RD	ALOUETTE/ABI	SOW/TBAR	6-Dec-13
2273	BAR4699	4/4B	6-Dec-13	26090 23 MILE RD	ABI	TBAR	6-Dec-13
2274	BAR4700	108/0080	6-Dec-13	26090 23 MILE RD	ABI/ALMA	TBAR	6-Dec-13
2275	BAR4701	520/2112	6-Dec-13	26090 23 MILE RD	ALMA	TBAR	6-Dec-13
2276	BAR4702	4/4B	6-Dec-13	26090 23 MILE RD	ALMA	TBAR	6-Dec-13
2277	BAR4703	108/0080	6-Dec-13	26090 23 MILE RD	ALMA	TBAR	6-Dec-13
2278	BAR4704	520/2112	6-Dec-13	26090 23 MILE RD	ALMA	TBAR	6-Dec-13
2279	BAR4705	4/4B	6-Dec-13	26090 23 MILE RD	ALMA	TBAR	6-Dec-13
2280	BAR4706	108/0080	6-Dec-13	26090 23 MILE RD	ALMA	TBAR	6-Dec-13
2281	BAR4762	924/806	6-Dec-13	4815 CABOT	SHA/ALOUETTE	SOW	6-Dec-13
2282	BAR4763	924/806	6-Dec-13	4815 CABOT	ALOUETTE	SOW	6-Dec-13
2283	BAR4764	924/806	6-Dec-13	4815 CABOT	SHA/ALOUETTE	SOW	6-Dec-13
2284	BAR4765LTL	924/806	6-Dec-13	4815 CABOT	SHA	SOW	6-Dec-13
2285	BAR4782	095/17A	6-Dec-13	1200 E. MCNICHOLS	ABI	TBAR	6-Dec-13
2286	BAR4783	095/17A	6-Dec-13	1200 E. MCNICHOLS	ABI	TBAR	6-Dec-13
2287	BAR4784	095/17A	6-Dec-13	1200 E. MCNICHOLS	ABI	TBAR	6-Dec-13
2288	BAR4785	095/17A	6-Dec-13	1200 E. MCNICHOLS	ABI	TBAR	6-Dec-13
2289	BAR4786	1966/2141	6-Dec-13	1200 E. MCNICHOLS	ABI	TBAR	6-Dec-13
2290	BAR4787	1966/2141	6-Dec-13	1200 E. MCNICHOLS	ABI	TBAR	6-Dec-13
2291	BAR4788	1966/2141	6-Dec-13	1200 E. MCNICHOLS	ABI	TBAR	6-Dec-13
2292	BAR4789	1966/2141	6-Dec-13	1200 E. MCNICHOLS	ABI	TBAR	6-Dec-13
2293	BAR4907	35/35A	6-Dec-13	1725 CICOTTE	ALMA	SOW	6-Dec-13
2294	BAR4908	35/35A	6-Dec-13	1725 CICOTTE	ALMA	SOW	6-Dec-13
2295	BAR4909	35/35A	6-Dec-13	1725 CICOTTE	ALMA	SOW	6-Dec-13

	H	I	J	K	L	M	N	O	P
2251	36555 ECORSE RD	60	87,295	39.596	JP GRAHAM	270	$270.00	$270.00	
2252	36555 ECORSE RD	61	87,319	39.607	JP GRAHAM	16610	$270.00	$270.00	
2253	36555 ECORSE RD	60	86,635	39.297	JP GRAHAM	16611	$270.00	$270.00	
2254	36555 ECORSE RD	60	86,955	39.442	JP GRAHAM	16612	$270.00	$270.00	
2255	36555 ECORSE RD	60	87,308	39.602	JP GRAHAM	16614	$270.00	$270.00	
2256	36555 ECORSE RD	60	87,235	39.569	JP GRAHAM	16640	$270.00	$270.00	
2257	36555 ECORSE RD	60	87,255	39.578	JP GRAHAM	16641	$270.00	$270.00	
2258	36555 ECORSE RD	61	87,052	39.486	JP GRAHAM	16643	$270.00	$270.00	
2259	36555 ECORSE RD	61	87,184	39.546	JP GRAHAM	16646	$270.00	$270.00	
2260	36555 ECORSE RD	61	87,996	39.914	JP GRAHAM	16676	$270.00	$270.00	
2261	36555 ECORSE RD	60	87,247	39.575	JP GRAHAM	16678	$270.00	$270.00	
2262	36555 ECORSE RD	61	87,740	39.798	JP GRAHAM	16679	$270.00	$270.00	
2263	36555 ECORSE RD	61	87,193	39.550	JP GRAHAM	16755	$270.00	$270.00	
2264	36555 ECORSE RD	60	87,230	39.567	JP GRAHAM	17856	$270.00	$270.00	
2265	36555 ECORSE RD	58	88,258	40.033	JP GRAHAM	17858	$270.00	$270.00	
2266	36555 ECORSE RD	61	87,611	39.740	JP GRAHAM	17861	$270.00	$270.00	
2267	36555 ECORSE RD	61	87,086	39.502	JP GRAHAM	18053	$270.00	$270.00	
2268	36555 ECORSE RD	61	87,412	39.649	JP GRAHAM	18062	$270.00	$270.00	
2269	36555 ECORSE RD	60	87,067	39.493	JP GRAHAM	18063	$270.00	$270.00	
2270	36555 ECORSE RD	61	87,686	39.774	JP GRAHAM	18069	$270.00	$270.00	
2271	50750 RUSSEL SCHMIDT	55	86,865	39.401	CLASSIC	254	$200.00	$200.00	
2272	50750 RUSSEL SCHMIDT	55	87,831	39.840	CLASSIC	254	$200.00	$200.00	
2273	50750 RUSSEL SCHMIDT	54	86,865	39.401	CLASSIC	254	$200.00	$200.00	
2274	50750 RUSSEL SCHMIDT	54	87,852	39.849	CLASSIC	254	$200.00	$200.00	
2275	50750 RUSSEL SCHMIDT	53	87,597	39.733	CLASSIC	254	$200.00	$200.00	
2276	50750 RUSSEL SCHMIDT	53	87,557	39.715	CLASSIC	254	$200.00	$200.00	
2277	50750 RUSSEL SCHMIDT	53	87,573	39.722	CLASSIC	254	$200.00	$200.00	
2278	50750 RUSSEL SCHMIDT	53	87,579	39.725	CLASSIC	254	$200.00	$200.00	
2279	50750 RUSSEL SCHMIDT	53	87,574	39.723	CLASSIC	254	$200.00	$200.00	
2280	50750 RUSSEL SCHMIDT	53	87,571	39.722	CLASSIC	254	$200.00	$200.00	
2281	3801 W. JEFFERSON	55	87,751	39.803	CLASSIC	254	$200.00	$200.00	
2282	3801 W. JEFFERSON	55	86,817	39.380	CLASSIC	254	$200.00	$200.00	
2283	3801 W. JEFFERSON	55	87,414	39.650	CLASSIC	254	$200.00	$200.00	
2284	3801 W. JEFFERSON	32	51,176	23.213	CLASSIC	254	$200.00	$200.00	
2285	6490 LYNCH	54	87,587	39.729	L&R TRUCKING	004782-01	$215.00	$215.00	
2286	6490 LYNCH	54	87,353	39.623	L&R TRUCKING	004783-01	$215.00	$215.00	
2287	6490 LYNCH	54	87,470	39.676	L&R TRUCKING	004784-01	$215.00	$215.00	
2288	6490 LYNCH	54	87,491	39.685	L&R TRUCKING	004785-01	$215.00	$215.00	
2289	6490 LYNCH	54	87,471	39.676	CHAMPION	004786-01	$215.00	$215.00	
2290	6490 LYNCH	54	87,476	39.678	CHAMPION	004787-01	$215.00	$215.00	
2291	6490 LYNCH	54	87,514	39.696	CHAMPION	004788-01	$215.00	$215.00	
2292	6490 LYNCH	54	86,987	39.457	CHAMPION	004789-01	$215.00	$215.00	
2293	160 VISGER	62	86,613	39.287	FULL CIRCLE	004907-01	$215.00	$215.00	
2294	160 VISGER	65	87,903	39.872	FULL CIRCLE	004908-01	$215.00	$215.00	
2295	160 VISGER	68	87,747	39.801	FULL CIRCLE	004909-01	$215.00	$215.00	

	A	B	C	D	E	F	G
2296	BAR4910LTL	35/35A	6-Dec-13	1725 CICOTTE	ALMA	SOW	6-Dec-13
2297	BAR4848	9934/2144	6-Dec-13	151 LAFAYETTE	ALMA	SOW	6-Dec-13
2298	BAR4849	711/2138A	6-Dec-13	151 LAFAYETTE	ALMA	SOW	6-Dec-13
2299	BAR4850	9934/2144	6-Dec-13	151 LAFAYETTE	ALMA	SOW	6-Dec-13
2300	BAR4851	711/2138A	6-Dec-13	151 LAFAYETTE	ALMA	SOW	6-Dec-13
2301	BAR4852	9934/2144	6-Dec-13	151 LAFAYETTE	ALMA	SOW	6-Dec-13
2302	BAR4853	711/2138A	6-Dec-13	151 LAFAYETTE	ALMA	SOW	6-Dec-13
2303	BAR4854	9934/2144	6-Dec-13	151 LAFAYETTE	ALMA	SOW	6-Dec-13
2304	BAR4855	711/2138A	6-Dec-13	151 LAFAYETTE	ALMA	SOW	6-Dec-13
2305	BAR4856	9934/2144	6-Dec-13	151 LAFAYETTE	ALMA	SOW	6-Dec-13
2306	BAR4857	711/2138A	6-Dec-13	151 LAFAYETTE	ALMA	SOW	6-Dec-13
2307	BAR4945	111/2150A	6-Dec-13	308 N. Antoine St.	SHA	SOW	6-Dec-13
2308	BAR4946	111/2150A	6-Dec-13	308 N. Antoine St.	SHA	SOW	6-Dec-13
2309	BAR4947	111/2150A	6-Dec-13	308 N. Antoine St.	SHA	SOW	6-Dec-13
2310	BAR4948	111/2150A	6-Dec-13	308 N. Antoine St.	SHA/ALMA	SOW/TBAR	6-Dec-13
2311	BAR4949	111/2150A	6-Dec-13	308 N. Antoine St.	ALMA	TBAR	6-Dec-13
2312	BAR5019	91/670A	6-Dec-13	20495 PENNSYLVANIA RD	ABI	TBAR	6-Dec-13
2313	BAR5025	91/670A	6-Dec-13	20495 PENNSYLVANIA RD	ABI	TBAR	6-Dec-13
2314	BAR5031	91/670A	6-Dec-13	20495 PENNSYLVANIA RD	ALOUETTE	SOW	6-Dec-13
2315	BAR5034	92/92A	6-Dec-13	20495 PENNSYLVANIA RD	ALOUETTE	SOW	6-Dec-13
2316	BAR5028	92/92A	6-Dec-13	20495 PENNSYLVANIA RD	ALOUETTE/ABI	TBAR/SOW	6-Dec-13
2317	BAR5023	92/92A	6-Dec-13	20495 PENNSYLVANIA RD	ABI	TBAR	6-Dec-13
2318	BAR5018	92/92A	6-Dec-13	20495 PENNSYLVANIA RD	ABI	TBAR	6-Dec-13
2319	BAR5037	357/8014	6-Dec-13	20495 PENNSYLVANIA RD	ALOUETTE	SOW	6-Dec-13
2320	BAR5032	357/8014	6-Dec-13	20495 PENNSYLVANIA RD	ALOUETTE	SOW	6-Dec-13
2321	BAR5026	357/8014	6-Dec-13	20495 PENNSYLVANIA RD	ABI	TBAR	6-Dec-13
2322	BAR5021	357/8014	6-Dec-13	20495 PENNSYLVANIA RD	ABI	TBAR	6-Dec-13
2323	BAR5035	007/007A	6-Dec-13	20495 PENNSYLVANIA RD	ALOUETTE	SOW	6-Dec-13
2324	BAR5029	007/007A	6-Dec-13	20495 PENNSYLVANIA RD	ALOUETTE	SOW	6-Dec-13
2325	BAR5024	007/007A	6-Dec-13	20495 PENNSYLVANIA RD	ABI	TBAR	6-Dec-13
2326	BAR5020	007/007A	6-Dec-13	20495 PENNSYLVANIA RD	ABI	TBAR	6-Dec-13
2327	BAR5036	670/670A	6-Dec-13	20495 PENNSYLVANIA RD	ALOUETTE	SOW	6-Dec-13
2328	BAR5030	670/670A	6-Dec-13	20495 PENNSYLVANIA RD	ALOUETTE	SOW	6-Dec-13
2329	BAR5038	200/200A	6-Dec-13	20495 PENNSYLVANIA RD	ALOUETTE	SOW	6-Dec-13
2330	BAR5033	200/200A	6-Dec-13	20495 PENNSYLVANIA RD	ALOUETTE	SOW	6-Dec-13
2331	BAR5022	200/200A	6-Dec-13	20495 PENNSYLVANIA RD	ABI	TBAR	6-Dec-13
2332	BAR5017	200/200A	6-Dec-13	20495 PENNSYLVANIA RD	ABI	TBAR	6-Dec-13
2333	BAR5027	200/200A	6-Dec-13	20495 PENNSYLVANIA RD	ABI	TBAR	6-Dec-13
2334	BAR4925LTL	111/2150A	6-Dec-13	308 S. Antoine St.	ALMA	TBAR	6-Dec-13
2335	BAR4707	520/2112	9-Dec-13	26090 23 MILE RD	ALMA	TBAR	9-Dec-13
2336	BAR4708	520/2112	9-Dec-13	26090 23 MILE RD	ALMA	TBAR	9-Dec-13
2337	BAR4709	4/4B	9-Dec-13	26090 23 MILE RD	ALMA	TBAR	9-Dec-13
2338	BAR4710	520/2112	9-Dec-13	26090 23 MILE RD	ALMA	TBAR	9-Dec-13
2339	BAR4711	924/806	9-Dec-13	26090 23 MILE RD	ALMA	TBAR	9-Dec-13
2340	BAR4712	4/4B	9-Dec-13	26090 23 MILE RD	ALMA	TBAR	9-Dec-13

	H	I	J	K	L	M	N	O	P
2296	160 VISGER	52	68,682	31.154	FULL CIRCLE	004910-01	$215.00	$215.00	
2297	26090 23 MILE	63	87,373	39.632	CHAMPION	004848-01	$225.00	$225.00	
2298	26090 23 MILE	62	86,745	39.347	ALGER	004849-01	$225.00	$225.00	
2299	26090 23 MILE	65	87,061	39.490	CHAMPION	004850-01	$225.00	$225.00	
2300	26090 23 MILE	66	87,251	39.576	ALGER	004851-01	$225.00	$225.00	
2301	26090 23 MILE	63	87,538	39.707	CHAMPION	004852-01	$225.00	$225.00	
2302	26090 23 MILE	67	87,338	39.616	ALGER	004853-01	$225.00	$225.00	
2303	26090 23 MILE	63	87,430	39.658	CHAMPION	004854-01	$225.00	$225.00	
2304	26090 23 MILE	65	86,949	39.439	ALGER	004855-01	$225.00	$225.00	
2305	26090 23 MILE	66	87,232	39.568	CHAMPION	004856-01	$225.00	$225.00	
2306	26090 23 MILE	65	87,867	39.856	ALGER	004857-01	$225.00	$225.00	
2307	20495 PENNSYLVANIA RD	54	86,666	39.311	CHAMPION	004945-01	$225.00	$225.00	
2308	20495 PENNSYLVANIA RD	54	87,301	39.599	CHAMPION	004946-01	$225.00	$225.00	
2309	20495 PENNSYLVANIA RD	55	87,834	39.841	CHAMPION	004947-01	$225.00	$225.00	
2310	20495 PENNSYLVANIA RD	53	87,296	39.597	CHAMPION	004948-01	$225.00	$225.00	
2311	20495 PENNSYLVANIA RD	53	87,528	39.702	CHAMPION	004949-01	$225.00	$225.00	
2312	36555 ECORSE RD	56	86,919	39.426	JP GRAHAM	16616	$270.00	$270.00	
2313	36555 ECORSE RD	54	87,629	39.748	JP GRAHAM	16618	$270.00	$270.00	
2314	36555 ECORSE RD	55	86,838	39.389	JP GRAHAM	16620	$270.00	$270.00	
2315	36555 ECORSE RD	55	87,034	39.478	JP GRAHAM	16630	$270.00	$270.00	
2316	36555 ECORSE RD	56	86,634	39.297	JP GRAHAM	16632	$270.00	$270.00	
2317	36555 ECORSE RD	54	87,739	39.798	JP GRAHAM	16637	$270.00	$270.00	
2318	36555 ECORSE RD	60	86,879	39.408	JP GRAHAM	16638	$270.00	$270.00	
2319	36555 ECORSE RD	55	86,747	39.348	JP GRAHAM	16666	$270.00	$270.00	
2320	36555 ECORSE RD	55	87,575	39.723	JP GRAHAM	16670	$270.00	$270.00	
2321	36555 ECORSE RD	59	87,737	39.797	JP GRAHAM	16672	$270.00	$270.00	
2322	36555 ECORSE RD	54	87,627	39.747	JP GRAHAM	16674	$270.00	$270.00	
2323	36555 ECORSE RD	54	86,845	39.392	JP GRAHAM	17852	$270.00	$270.00	
2324	36555 ECORSE RD	55	86,900	39.417	JP GRAHAM	17853	$270.00	$270.00	
2325	36555 ECORSE RD	54	87,604	39.737	JP GRAHAM	17854	$270.00	$270.00	
2326	36555 ECORSE RD	54	86,748	39.348	JP GRAHAM	17855	$270.00	$270.00	
2327	36555 ECORSE RD	55	87,805	39.828	JP GRAHAM	17875	$270.00	$270.00	
2328	36555 ECORSE RD	55	86,447	39.212	JP GRAHAM	17877	$270.00	$270.00	
2329	36555 ECORSE RD	55	86,805	39.374	JP GRAHAM	18055	$270.00	$270.00	
2330	36555 ECORSE RD	55	86,734	39.342	JP GRAHAM	18056	$270.00	$270.00	
2331	36555 ECORSE RD	54	87,666	39.765	JP GRAHAM	18058	$270.00	$270.00	
2332	36555 ECORSE RD	60	87,049	39.485	JP GRAHAM	18060	$270.00	$270.00	
2333	36555 ECORSE RD	61	87,706	39.783	JP GRAHAM	18064	$270.00	$270.00	
2334	308 N. ANTOINE	27	44,635	20.246	CHAMPION				
2335	50750 RUSSEL SCHMIDT	53	87,550	39.712	CLASSIC	259	$200.00	$200.00	
2336	50750 RUSSEL SCHMIDT	53	87,569	39.721	CLASSIC	259	$200.00	$200.00	
2337	50750 RUSSEL SCHMIDT	53	87,598	39.734	CLASSIC	259	$200.00	$200.00	
2338	50750 RUSSEL SCHMIDT	53	87,575	39.723	CLASSIC	259	$200.00	$200.00	
2339	50750 RUSSEL SCHMIDT	53	87,609	39.739	CLASSIC	259	$200.00	$200.00	
2340	50750 RUSSEL SCHMIDT	53	87,568	39.720	CLASSIC	259	$200.00	$200.00	

	A	B	C	D	E	F	G
2341	BAR4713	520/2112	9-Dec-13	26090 23 MILE RD	ALMA	TBAR	9-Dec-13
2342	BAR4714	520/2112	9-Dec-13	26090 23 MILE RD	DESCHAMBAULT/ALMA	TBAR	9-Dec-13
2343	BAR4715	924/806	9-Dec-13	26090 23 MILE RD	DESCHAMBAULT	TBAR	9-Dec-13
2344	BAR4716	4/4B	9-Dec-13	26090 23 MILE RD	DESCHAMBAULT	TBAR	9-Dec-13
2345	BAR4815	6/5428	9-Dec-13	13542 HELEN ST	ABI	TBAR	9-Dec-13
2346	BAR4816LTL	6/5428	9-Dec-13	13542 HELEN ST	ABI	TBAR	9-Dec-13
2347	BAR4818	108/0080	9-Dec-13	21100 TROLLEY	DESCHAMBAULT	TBAR	9-Dec-13
2348	BAR4819	108/0080	9-Dec-13	21100 TROLLEY	DESCHAMBAULT	TBAR	9-Dec-13
2349	BAR4820LTL	108/0080	9-Dec-13	21100 TROLLEY	DESCHAMBAULT	TBAR	9-Dec-13
2350	BAR4961	611 A/B	9-Dec-13	6307 WEST FORT ST	ALMA	SOW	9-Dec-13
2351	BAR4962	611 A/B	9-Dec-13	6307 WEST FORT ST	ALMA	SOW	9-Dec-13
2352	BAR4963LTL	611 A/B	9-Dec-13	6307 WEST FORT ST	ALMA	SOW	9-Dec-13
2353	BAR4790	108/2140A	9-Dec-13	1200 E. MCNICHOLS	ABI	TBAR	9-Dec-13
2354	BAR4791	108/2140A	9-Dec-13	1200 E. MCNICHOLS	ABI	TBAR	9-Dec-13
2355	BAR4792	108/2140A	9-Dec-13	1200 E. MCNICHOLS	ABI	TBAR	9-Dec-13
2356	BAR4793	108/2140A	9-Dec-13	1200 E. MCNICHOLS	ABI	TBAR	9-Dec-13
2357	BAR4794	413/2137A	9-Dec-13	1200 E. MCNICHOLS	ABI	TBAR	9-Dec-13
2358	BAR4795	413/2137A	9-Dec-13	1200 E. MCNICHOLS	ABI	TBAR	9-Dec-13
2359	BAR4796	413/2137A	9-Dec-13	1200 E. MCNICHOLS	ABI	TBAR/SOW	9-Dec-13
2360	BAR4797	413/2137A	9-Dec-13	1200 E. MCNICHOLS	ABI	SOW	9-Dec-13
2361	BAR4903	95/17A	9-Dec-13	8650 MT. ELLIOTT	ALMA	TBAR	9-Dec-13
2362	BAR4858	711-2138A	9-Dec-13	151 LAFAYETTE	ALMA	SOW	9-Dec-13
2363	BAR4859	9934-2144	9-Dec-13	151 LAFAYETTE	ALMA	SOW	9-Dec-13
2364	BAR4860	711-2138A	9-Dec-13	151 LAFAYETTE	ALMA/ABI	SOW/TBAR	9-Dec-13
2365	BAR4861	9934-2144	9-Dec-13	151 LAFAYETTE	ABI	TBAR	9-Dec-13
2366	BAR4862	711-2138A	9-Dec-13	151 LAFAYETTE	ABI	TBAR	9-Dec-13
2367	BAR4863	9934-2144	9-Dec-13	151 LAFAYETTE	ABI	TBAR	9-Dec-13
2368	BAR4864	711-2138A	9-Dec-13	151 LAFAYETTE	ABI	TBAR	9-Dec-13
2369	BAR4865	9934-2144	9-Dec-13	151 LAFAYETTE	ABI	TBAR	9-Dec-13
2370	BAR4866	711-2138A	9-Dec-13	151 LAFAYETTE	ABI	TBAR	9-Dec-13
2371	BAR4867	9934-2144	9-Dec-13	151 LAFAYETTE	ABI	TBAR	9-Dec-13
2372	BAR4950	111/1250A	9-Dec-13	308 N. Antoine St.	ALMA	TBAR	9-Dec-13
2373	BAR4951	111/1250A	9-Dec-13	308 N. Antoine St.	ALMA	TBAR	9-Dec-13
2374	BAR4952	111/1250A	9-Dec-13	308 N. Antoine St.	ALMA	TBAR	9-Dec-13
2375	BAR4953	111/1250A	9-Dec-13	308 N. Antoine St.	ALMA	TBAR	9-Dec-13
2376	BAR4954	111/1250A	9-Dec-13	308 N. Antoine St.	ALMA	TBAR/SOW	9-Dec-13
2377	BAR5041	91/91A	9-Dec-13	20495 PENNSYLVANIA RD	ALOUETTE	SOW	9-Dec-13
2378	BAR5045	91/91A	9-Dec-13	20495 PENNSYLVANIA RD	ALOUETTE	SOW	9-Dec-13
2379	BAR5049	91/91A	9-Dec-13	20495 PENNSYLVANIA RD	ALOUETTE	SOW	9-Dec-13
2380	BAR5056	91/91A	9-Dec-13	20495 PENNSYLVANIA RD	ALOUETTE	SOW	9-Dec-13
2381	BAR5051	357/8014	9-Dec-13	20495 PENNSYLVANIA RD	ALOUETTE	SOW	9-Dec-13
2382	BAR5046	357/8014	9-Dec-13	20495 PENNSYLVANIA RD	ALOUETTE	SOW	9-Dec-13
2383	BAR5057	357/8014	9-Dec-13	20495 PENNSYLVANIA RD	ALOUETTE	SOW	9-Dec-13
2384	BAR5052	902/1402	9-Dec-13	20495 PENNSYLVANIA RD	ALOUETTE	SOW	9-Dec-13
2385	BAR5044	670/670A	9-Dec-13	20495 PENNSYLVANIA RD	ALOUETTE	SOW	9-Dec-13

	H	I	J	K	L	M	N	O	P
2341	50750 RUSSEL SCHMIDT	53	87,575	39.723	CLASSIC	259	$200.00	$200.00	
2342	50750 RUSSEL SCHMIDT	55	87,172	39.541	CLASSIC	259	$200.00	$200.00	
2343	50750 RUSSEL SCHMIDT	58	87,613	39.741	CLASSIC	259	$200.00	$200.00	
2344	50750 RUSSEL SCHMIDT	58	87,694	39.777	CLASSIC	259	$200.00	$200.00	
2345	1200 E. McNichols Ave.	54	87,816	39.833	CLASSIC	259	$200.00	$200.00	
2346	1200 E. McNichols Ave.	14	22,832	10.356	CLASSIC	259	$200.00	$200.00	
2347	21150 Trolley	58	87,618	39.743	CLASSIC	259	$200.00	$200.00	
2348	21151 Trolley	58	87,611	39.740	CLASSIC	259	$200.00	$200.00	
2349	21152 Trolley	28	42,231	19.156	CLASSIC	259	$200.00	$200.00	
2350	4815 Cabot St	64	87,917	39.879	CLASSIC	259	$200.00	$200.00	
2351	4815 Cabot St	65	87,599	39.734	CLASSIC	259	$200.00	$200.00	
2352	4815 Cabot St	33	45,170	20.489	CLASSIC	259	$200.00	$200.00	
2353	6490 LYNCH	54	87,393	39.641	ALGER	004790-01	$215.00	$215.00	
2354	6490 LYNCH	54	87,222	39.563	ALGER	004791-01	$215.00	$215.00	
2355	6490 LYNCH	54	87,355	39.624	ALGER	004792-01	$215.00	$215.00	
2356	6490 LYNCH	54	87,565	39.719	ALGER	004793-01	$215.00	$215.00	
2357	6490 LYNCH	54	87,535	39.705	ALGER	004794-01	$215.00	$215.00	
2358	6490 LYNCH	54	87,416	39.651	ALGER	004795-01	$215.00	$215.00	
2359	6490 LYNCH	53	86,973	39.450	ALGER	004796-01	$215.00	$215.00	
2360	6490 LYNCH	53	87,162	39.536	ALGER	004797-01	$215.00	$215.00	
2361	13542 Helen	61	86,971	39.449	ALGER	004903-01	$215.00	$215.00	
2362	26090 23 MILE RD	66	87,082	39.500	ALGER	004858-01	$225.00	$225.00	
2363	26090 23 MILE RD	65	86,918	39.425	ALGER	004859-01	$225.00	$225.00	
2364	26090 23 MILE RD	63	86,921	39.427	ALGER	004860-01	$225.00	$225.00	
2365	26090 23 MILE RD	57	87,566	39.719	ALGER	004861-01	$225.00	$225.00	
2366	26090 23 MILE RD	55	87,745	39.801	ALGER	004862-01	$225.00	$225.00	
2367	26090 23 MILE RD	54	87,638	39.752	ALGER	004863-01	$225.00	$225.00	
2368	26090 23 MILE RD	54	87,574	39.723	ALGER	004864-01	$225.00	$225.00	
2369	26090 23 MILE RD	54	87,650	39.757	ALGER	004865-01	$225.00	$225.00	
2370	26090 23 MILE RD	54	87,532	39.704	ALGER	004866-01	$225.00	$225.00	
2371	26090 23 MILE RD	54	87,634	39.750	ALGER	004867-01	$225.00	$225.00	
2372	20495 Pennsylvania Road	53	87,607	39.738	ALGER	004950-01	$225.00	$225.00	
2373	20495 Pennsylvania Road	53	87,615	39.742	ALGER	004951-01	$225.00	$225.00	
2374	20495 Pennsylvania Road	53	87,610	39.739	ALGER	004952-01	$225.00	$225.00	
2375	20495 Pennsylvania Road	53	87,603	39.736	ALGER	004953-01	$225.00	$225.00	
2376	20495 Pennsylvania Road	53	87,405	39.646	ALGER	004954-01	$225.00	$225.00	
2377	36555 ECORSE RD	55	87,812	39.831	JP GRAHAM	17601	$270.00	$270.00	
2378	36555 ECORSE RD	55	86,398	39.190	JP GRAHAM	17603	$270.00	$270.00	
2379	36555 ECORSE RD	55	87,104	39.510	JP GRAHAM	17604	$270.00	$270.00	
2380	36555 ECORSE RD	55	87,460	39.671	JP GRAHAM	17605	$270.00	$270.00	
2381	36555 ECORSE RD	54	86,541	39.254	JP GRAHAM	17662	$270.00	$270.00	
2382	36555 ECORSE RD	55	87,949	39.893	JP GRAHAM	17670	$270.00	$270.00	
2383	36555 ECORSE RD	55	86,939	39.435	JP GRAHAM	17674	$270.00	$270.00	
2384	36555 ECORSE RD	54	87,036	39.479	JP GRAHAM	17711	$270.00	$270.00	
2385	36555 ECORSE RD	54	86,717	39.334	JP GRAHAM	17729	$270.00	$270.00	

	A	B	C	D	E	F	G
2386	BAR5042	92/92A	9-Dec-13	20495 PENNSYLVANIA RD	ALOUETTE	SOW	9-Dec-13
2387	BAR5050	670/670A	9-Dec-13	20495 PENNSYLVANIA RD	ALOUETTE	SOW	9-Dec-13
2388	BAR5058	670/670A	9-Dec-13	20495 PENNSYLVANIA RD	ALOUETTE	SOW	9-Dec-13
2389	BAR5048	007/007A	9-Dec-13	20495 PENNSYLVANIA RD	ALOUETTE	SOW	9-Dec-13
2390	BAR5043	007/007A	9-Dec-13	20495 PENNSYLVANIA RD	ALOUETTE	SOW	9-Dec-13
2391	BAR5040	007/007	9-Dec-13	20495 PENNSYLVANIA RD	ALOUETTE	SOW	9-Dec-13
2392	BAR5039	92/92A	9-Dec-13	20495 PENNSYLVANIA RD	ALOUETTE	SOW	9-Dec-13
2393	BAR5047	92/92A	9-Dec-13	20495 PENNSYLVANIA RD	ALOUETTE	SOW	9-Dec-13
2394	BAR5055	92/92A	9-Dec-13	20495 PENNSYLVANIA RD	ALOUETTE	SOW	9-Dec-13
2395	BAR5053	007/007A	9-Dec-13	20495 PENNSYLVANIA RD	ALOUETTE	SOW	9-Dec-13
2396	BAR5054	U13000/505	9-Dec-13	20495 PENNSYLVANIA RD	ALOUETTE	SOW	9-Dec-13
2397	BAR4717	924/806	10-Dec-13	26090 23 Mile Rd	DESCHAMBAULT	TBAR	10-Dec-13
2398	BAR4718	520/2112	10-Dec-13	26090 23 Mile Rd	DESCHAMBAULT	TBAR	10-Dec-13
2399	BAR4719	4/4B	10-Dec-13	26090 23 Mile Rd	DESCHAMBAULT	TBAR	10-Dec-13
2400	BAR4720	924/806	10-Dec-13	26090 23 Mile Rd	DESCHAMBAULT	TBAR	10-Dec-13
2401	BAR4721	520/2112	10-Dec-13	26090 23 Mile Rd	DESCHAMBAULT	TBAR	10-Dec-13
2402	BAR4722	4/4B	10-Dec-13	26090 23 Mile Rd	DESCHAMBAULT	TBAR	10-Dec-13
2403	BAR4723	924/806	10-Dec-13	26090 23 Mile Rd	DESCHAMBAULT	TBAR	10-Dec-13
2404	BAR4724	520/2112	10-Dec-13	26090 23 Mile Rd	DESCHAMBAULT	TBAR	10-Dec-13
2405	BAR4725	4/4B	10-Dec-13	26090 23 Mile Rd	DESCHAMBAULT	TBAR	10-Dec-13
2406	BAR4911	33/611A/B	10-Dec-13	7900 N. Haggerty	DESCHAMBAULT/ALMA	TBAR/SOW	10-Dec-13
2407	BAR4912	33/611A/B	10-Dec-13	7900 N. Haggerty	ALMA	SOW	10-Dec-13
2408	BAR4798	108/2140A	10-Dec-13	1200 E. MCNICHOLS	SHA	SOW	10-Dec-13
2409	BAR4799	108/2140A	10-Dec-13	1200 E. MCNICHOLS	SHA	SOW	10-Dec-13
2410	BAR4800	413/2137A	10-Dec-13	1200 E. MCNICHOLS	SHA	SOW	10-Dec-13
2411	BAR4801	380/236A	10-Dec-13	1200 E. MCNICHOLS	SHA	SOW	10-Dec-13
2412	BAR4802	413/2137A	10-Dec-13	1200 E. MCNICHOLS	SHA/ALMA	SOW	10-Dec-13
2413	BAR4803	413/2137A	10-Dec-13	1200 E. MCNICHOLS	ALMA	SOW	10-Dec-13
2414	BAR4804	413/2137A	10-Dec-13	1200 E. MCNICHOLS	ALMA	SOW	10-Dec-13
2415	BAR4805	413/2137A	10-Dec-13	1200 E. MCNICHOLS	ALMA	SOW	10-Dec-13
2416	BAR4899	17A	10-Dec-13	12850 E. NINE MILE RD	ABI/ALMA	TBAR/SOW	10-Dec-13
2417	BAR4900	17A/17A	10-Dec-13	12850 E. NINE MILE RD	ALMA	SOW/TBAR	10-Dec-13
2418	BAR4901	17A	10-Dec-13	12850 E. NINE MILE RD	DESCHAMBAULT/ALMA	TBAR	10-Dec-13
2419	BAR4902LTL	17A	10-Dec-13	12850 E. NINE MILE RD	DESCHAMBAULT	TBAR	10-Dec-13
2420	BAR4904	35/35A	10-Dec-13	8650 MT. Elliott	DUBUC/ALMA	TBAR	10-Dec-13
2421	BAR4905	35/350A	10-Dec-13	8650 MT. Elliott	DUBUC	TBAR	10-Dec-13
2422	BAR4906LTL	35/35A	10-Dec-13	8650 MT. Elliott	DUBUC	TBAR	10-Dec-13
2423	BAR4868	9934/2144	10-Dec-13	151 LAFAYETTE	ABI	TBAR	10-Dec-13
2424	BAR4869	711/2139	10-Dec-13	151 LAFAYETTE	ABI	TBAR	10-Dec-13
2425	BAR4870	9934/2144	10-Dec-13	151 LAFAYETTE	ABI	TBAR	10-Dec-13
2426	BAR4871	711/2139	10-Dec-13	151 LAFAYETTE	ABI	TBAR	10-Dec-13
2427	BAR4872	9934/2144	10-Dec-13	151 LAFAYETTE	ABI	TBAR	10-Dec-13
2428	BAR4873	711/2139	10-Dec-13	151 LAFAYETTE	ABI	TBAR	10-Dec-13
2429	BAR4874	9934/2144	10-Dec-13	151 LAFAYETTE	ABI	TBAR	10-Dec-13
2430	BAR4875	711/2139	10-Dec-13	151 LAFAYETTE	ABI	TBAR	10-Dec-13

	H	I	J	K	L	M	N	O	P
2386	36555 ECORSE RD	55	86,944	39.437	JP GRAHAM	17733	$270.00	$270.00	
2387	36555 ECORSE RD	54	86,434	39.206	JP GRAHAM	17737	$270.00	$270.00	
2388	36555 ECORSE RD	54	86,453	39.214	JP GRAHAM	17738	$270.00	$270.00	
2389	36555 ECORSE RD	55	87,597	39.733	JP GRAHAM	17850	$270.00	$270.00	
2390	36555 ECORSE RD	54	86,574	39.269	JP GRAHAM	17851	$270.00	$270.00	
2391	36555 ECORSE RD	54	86,474	39.224	JP GRAHAM	17880	$270.00	$270.00	
2392	36555 ECORSE RD	55	87,118	39.516	JP GRAHAM	17893	$270.00	$270.00	
2393	36555 ECORSE RD	54	86,362	39.173	JP GRAHAM	17894	$270.00	$270.00	
2394	36555 ECORSE RD	55	87,112	39.513	JP GRAHAM	17895	$270.00	$270.00	
2395	36555 ECORSE RD	55	87,035	39.478	JP GRAHAM	18036	$270.00	$270.00	
2396	36555 ECORSE RD	55	86,983	39.455	JP GRAHAM	18076	$270.00	$270.00	
2397	50703 E RUSSELL	58	87,660	39.762	CLASSIC	259	$200.00	$200.00	
2398	50703 E RUSSELL	58	87,754	39.805	CLASSIC	259	$200.00	$200.00	
2399	50703 E RUSSELL	58	87,527	39.702	CLASSIC	259	$200.00	$200.00	
2400	50703 E RUSSELL	58	87,712	39.786	CLASSIC	259	$200.00	$200.00	
2401	50703 E RUSSELL	58	87,747	39.801	CLASSIC	259	$200.00	$200.00	
2402	50703 E RUSSELL	58	87,671	39.767	CLASSIC	259	$200.00	$200.00	
2403	50703 E RUSSELL	58	87,465	39.674	CLASSIC	259	$200.00	$200.00	
2404	50703 E RUSSELL	58	87,677	39.770	CLASSIC	259	$200.00	$200.00	
2405	50703 E RUSSELL	56	87,840	39.844	CLASSIC	259	$200.00	$200.00	
2406	36555 ECORSE	60	87,579	39.725	CLASSIC	259	$200.00	$200.00	
2407	36555 ECORSE	63	87,876	39.860	CLASSIC	259	$200.00	$200.00	
2408	6490 LYNCH	52	86,615	39.288	CHAMPION	004798-01	$215.00	$215.00	
2409	6490 LYNCH	53	87,705	39.782	CHAMPION	004799-01	$215.00	$215.00	
2410	6490 LYNCH	53	86,750	39.349	CHAMPION	004800-01	$215.00	$215.00	
2411	6490 LYNCH	53	87,276	39.588	CHIEFS	004801-01	$215.00	$215.00	
2412	6490 LYNCH	55	87,186	39.548	CHAMPION	004802-01	$215.00	$215.00	
2413	6490 LYNCH	60	87,769	39.811	CHAMPION	004803-01	$215.00	$215.00	
2414	6490 LYNCH	57	86,947	39.439	CHAMPION	004804-01	$215.00	$215.00	
2415	6490 LYNCH	58	87,703	39.781	CHAMPION	004805-01	$215.00	$215.00	
2416	13542 HELEN	59	87,376	39.633	L&R TRUCKING	004899-01	$215.00	$215.00	
2417	13542 HELEN	62	86,763	39.355	L&R TRUCKING	004900-01	$215.00	$215.00	
2418	13542 HELEN	55	86,940	39.435	L&R TRUCKING	004901-01	$215.00	$215.00	
2419	13542 HELEN	8	12,101	5.489	L&R TRUCKING	004902-01	$215.00	$215.00	
2420	13542 Helen	54	86,884	39.410	FULL CIRCLE	004904-01	$215.00	$215.00	
2421	13542 Helen	53	87,290	39.594	FTC	004905-01	$215.00	$215.00	
2422	13542 Helen	7	11,548	5.238	FULL CIRCLE	004906-01	$215.00	$215.00	
2423	26090 23 MILE RD	54	87,556	39.715	CHAMPION	004868-01	$225.00	$225.00	
2424	26090 23 MILE RD	54	87,636	39.751	ALGER	004869-01	$225.00	$225.00	
2425	26090 23 MILE RD	54	87,573	39.722	CHAMPION	004870-01	$225.00	$225.00	
2426	26090 23 MILE RD	54	87,570	39.721	ALGER	004871-01	$225.00	$225.00	
2427	26090 23 MILE RD	54	87,628	39.747	CHAMPION	004872-01	$225.00	$225.00	
2428	26090 23 MILE RD	54	87,610	39.739	ALGER	004873-01	$225.00	$225.00	
2429	26090 23 MILE RD	54	87,720	39.789	CHAMPION	004874-01	$225.00	$225.00	
2430	26090 23 MILE RD	54	87,521	39.699	ALGER	004875-01	$225.00	$225.00	

	A	B	C	D	E	F	G
2431	BAR4876	9934/2144	10-Dec-13	151 LAFAYETTE	ABI	TBAR	10-Dec-13
2432	BAR4877	711/2139	10-Dec-13	151 LAFAYETTE	ABI	TBAR	10-Dec-13
2433	BAR4955	111/2150A	10-Dec-13	308 N. Antoine St.	ALMA	SOW	10-Dec-13
2434	BAR4956	111/2150A	10-Dec-13	308 N. Antoine St.	ALMA/ALOUETTE	SOW	10-Dec-13
2435	BAR4957	111/2150A	10-Dec-13	308 N. Antoine St.	ABI/ALOUETTE	TBAR/SOW	10-Dec-13
2436	BAR4958	111/2150A	10-Dec-13	308 N. Antoine St.	ALMA/ABI	TBAR	10-Dec-13
2437	BAR4959	111/2150A	10-Dec-13	308 N. Antoine St.	ALMA	TBAR	10-Dec-13
2438	BAR4960LTL	111/2150A	10-Dec-13	308 N. Antoine St.	ALMA	TBAR	10-Dec-13
2439	BAR5064	91/91A	10-Dec-13	20495 PENNSYLVANIA RD	ALOUETTE	SOW	10-Dec-13
2440	BAR5071	91/91A	10-Dec-13	20495 PENNSYLVANIA RD	DESCHAMBAULT	TBAR	10-Dec-13
2441	BAR5082	91/91A	10-Dec-13	20495 PENNSYLVANIA RD	DESCHAMBAULT	TBAR	10-Dec-13
2442	BAR5060	357/8014	10-Dec-13	20495 PENNSYLVANIA RD	ALOUETTE	SOW	10-Dec-13
2443	BAR5062	357/8014	10-Dec-13	20495 PENNSYLVANIA RD	ALOUETTE	SOW	10-Dec-13
2444	BAR5068	357/8014	10-Dec-13	20495 PENNSYLVANIA RD	ALOUETTE	SOW	10-Dec-13
2445	BAR5072	357/8014	10-Dec-13	20495 PENNSYLVANIA RD	DESCHAMBAULT	TBAR	10-Dec-13
2446	BAR5077	357/8014	10-Dec-13	20495 PENNSYLVANIA RD	DESCHAMBAULT	TBAR	10-Dec-13
2447	BAR5081	357/8014	10-Dec-13	20495 PENNSYLVANIA RD	DESCHAMBAULT	TBAR	10-Dec-13
2448	BAR5065	902/1402	10-Dec-13	20495 PENNSYLVANIA RD	ALOUETTE	SOW	10-Dec-13
2449	BAR5061	670/670A	10-Dec-13	20495 PENNSYLVANIA RD	ALOUETTE	SOW	10-Dec-13
2450	BAR5069	670/670A	10-Dec-13	20495 PENNSYLVANIA RD	ALOUETTE/DESCHAMBAULT	SOW/TBAR	10-Dec-13
2451	BAR5074	670/670A	10-Dec-13	20495 PENNSYLVANIA RD	DESCHAMBAULT	TBAR	10-Dec-13
2452	BAR5080	670/670A	10-Dec-13	20495 PENNSYLVANIA RD	DESCHAMBAULT	TBAR	10-Dec-13
2453	BAR5067	007/007A	10-Dec-13	20495 PENNSYLVANIA RD	ALOUETTE	SOW	10-Dec-13
2454	BAR5073	007/007A	10-Dec-13	20495 PENNSYLVANIA RD	DESCHAMBAULT	TBAR	10-Dec-13
2455	BAR5079	007/007A	10-Dec-13	20495 PENNSYLVANIA RD	DESCHAMBAULT	TBAR	10-Dec-13
2456	BAR5063	92/92A	10-Dec-13	20495 PENNSYLVANIA RD	ALOUETTE	SOW	10-Dec-13
2457	BAR5070	92/92A	10-Dec-13	20495 PENNSYLVANIA RD	DESCHAMBAULT	TBAR	10-Dec-13
2458	BAR5075	92/92A	10-Dec-13	20495 PENNSYLVANIA RD	DESCHAMBAULT	TBAR	10-Dec-13
2459	BAR5059	U13000/505	10-Dec-13	20495 PENNSYLVANIA RD	ALOUETTE	SOW	10-Dec-13
2460	BAR5066	U13000/505	10-Dec-13	20495 PENNSYLVANIA RD	ALOUETTE	SOW	10-Dec-13
2461	BAR5076	U13000/505	10-Dec-13	20495 PENNSYLVANIA RD	DESCHAMBAULT	TBAR	10-Dec-13
2462	BAR5078	91/91A	10-Dec-13	20495 PENNSYLVANIA RD	DESCHAMBAULT	TBAR	10-Dec-13
2463	BAR4726	924/806	11-Dec-13	26090 23 Mile Rd	DESCHAMBAULT	TBAR	11-Dec-13
2464	BAR4727	520/2112	11-Dec-13	26090 23 Mile Rd	DESCHAMBAULT	TBAR	11-Dec-13
2465	BAR4728	4/4B	11-Dec-13	26090 23 Mile Rd	DESCHAMBAULT	TBAR	11-Dec-13
2466	BAR4729	924/806	11-Dec-13	26090 23 Mile Rd	DESCHAMBAULT	TBAR	11-Dec-13
2467	BAR4730	520/2112	11-Dec-13	26090 23 Mile Rd	DESCHAMBAULT	TBAR	11-Dec-13
2468	BAR4731	924/806	11-Dec-13	26090 23 Mile Rd	DESCHAMBAULT	TBAR	11-Dec-13
2469	BAR4732	4/4B	11-Dec-13	26090 23 Mile Rd	DESCHAMBAULT	TBAR	11-Dec-13
2470	BAR4733	520/2112	11-Dec-13	26090 23 Mile Rd	DESCHAMBAULT	TBAR	11-Dec-13
2471	BAR4734	924/806	11-Dec-13	26090 23 Mile Rd	DESCHAMBAULT	TBAR	11-Dec-13
2472	BAR4735	4/4B	11-Dec-13	26090 23 Mile Rd	DESCHAMBAULT	TBAR	11-Dec-13
2473	BAR4913	33/611A/B	11-Dec-13	7900 N. Haggerty	ALMA	SOW	11-Dec-13
2474	BAR4914	108/0080	11-Dec-13	7900 N. Haggerty	ALMA	SOW	11-Dec-13
2475	BAR4915	33/611A/B	11-Dec-13	7900 N. Haggerty	ALMA	SOW	11-Dec-13

	H	I	J	K	L	M	N	O	P
2431	26090 23 MILE RD	58	87,660	39,762	CHAMPION	004876-01	$225.00	$225.00	
2432	26090 23 MILE RD	54	87,296	39.597	ALGER	004877-01	$225.00	$225.00	
2433	20495 PENNSYLVANIA	58	87,297	39.597	CHAMPION	004955-01	$225.00	$225.00	
2434	20495 PENNSYLVANIA	55	87,229	39.566	CHAMPION	004956-01	$225.00	$225.00	
2435	20495 PENNSYLVANIA	55	87,566	39.719	CHAMPION	004957-01	$225.00	$225.00	
2436	20495 PENNSYLVANIA	54	86,927	39.429	CHAMPION	004958-01	$225.00	$225.00	
2437	20495 PENNSYLVANIA	54	87,392	39.640	CHAMPION	004959-01	$225.00	$225.00	
2438	20495 PENNSYLVANIA	32	52,821	23.959	CHAMPION	004960-01	$225.00	$225.00	
2439	36555 ECORSE RD	55	86,891	39.413	JP GRAHAM	17611	$270.00	$270.00	
2440	36555 ECORSE RD	58	87,722	39.790	JP GRAHAM	17612	$270.00	$270.00	
2441	36555 ECORSE RD	58	87,681	39.771	JP GRAHAM	17614	$270.00	$270.00	
2442	36555 ECORSE RD	55	87,665	39.764	JP GRAHAM	17676	$270.00	$270.00	
2443	36555 ECORSE RD	55	86,891	39.413	JP GRAHAM	17683	$270.00	$270.00	
2444	36555 ECORSE RD	55	87,563	39.718	JP GRAHAM	17686	$270.00	$270.00	
2445	36555 ECORSE RD	58	87,403	39.645	JP GRAHAM	17689	$270.00	$270.00	
2446	36555 ECORSE RD	58	87,803	39.827	JP GRAHAM	17691	$270.00	$270.00	
2447	36555 ECORSE RD	58	87,713	39.786	JP GRAHAM	17709	$270.00	$270.00	
2448	36555 ECORSE RD	54	86,398	39.190	JP GRAHAM	17713	$270.00	$270.00	
2449	36555 ECORSE RD	55	87,063	39.491	JP GRAHAM	17739	$270.00	$270.00	
2450	36555 ECORSE RD	58	87,881	39.862	JP GRAHAM	17741	$270.00	$270.00	
2451	36555 ECORSE RD	58	87,794	39.823	JP GRAHAM	17744	$270.00	$270.00	
2452	36555 ECORSE RD	58	87,514	39.696	JP GRAHAM	17746	$270.00	$270.00	
2453	36555 ECORSE RD	55	87,063	39.491	JP GRAHAM	17822	$270.00	$270.00	
2454	36555 ECORSE RD	58	87,593	39.732	JP GRAHAM	17823	$270.00	$270.00	
2455	36555 ECORSE RD	58	87,618	39.743	JP GRAHAM	17825	$270.00	$270.00	
2456	36555 ECORSE RD	55	87,384	39.637	JP GRAHAM	17896	$270.00	$270.00	
2457	36555 ECORSE RD	58	87,535	39.705	JP GRAHAM	17897	$270.00	$270.00	
2458	36555 ECORSE RD	58	87,502	39.690	JP GRAHAM	17898	$270.00	$270.00	
2459	36555 ECORSE RD	55	87,369	39.630	JP GRAHAM	18066	$270.00	$270.00	
2460	36555 ECORSE RD	54	86,792	39.368	JP GRAHAM	18067	$270.00	$270.00	
2461	36555 ECORSE RD	58	87,594	39.732	JP GRAHAM	18070	$270.00	$270.00	
2462	36555 ECORSE RD	57	86,112	39.060	JP GRAHAM	176132	$270.00	$270.00	
2463	50703 E RUSSELL	60	87,809	39.830	CLASSIC	259	$200.00	$200.00	
2464	50703 E RUSSELL	58	87,627	39.747	CLASSIC	259	$200.00	$200.00	
2465	50703 E RUSSELL	58	87,714	39.786	CLASSIC	259	$200.00	$200.00	
2466	50703 E RUSSELL	58	87,645	39.755	CLASSIC	259	$200.00	$200.00	
2467	50703 E RUSSELL	58	87,678	39.770	CLASSIC	259	$200.00	$200.00	
2468	50703 E RUSSELL	58	87,611	39.740	CLASSIC	259	$200.00	$200.00	
2469	50703 E RUSSELL	58	87,581	39.726	CLASSIC	259	$200.00	$200.00	
2470	50703 E RUSSELL	58	87,738	39.797	CLASSIC	259	$200.00	$200.00	
2471	50703 E RUSSELL	58	87,745	39.801	CLASSIC	259	$200.00	$200.00	
2472	50703 E RUSSELL	58	87,758	39.806	CLASSIC	259	$200.00	$200.00	
2473	36555 ECORSE	64	87,914	39.877	CLASSIC	259	$200.00	$200.00	
2474	36555 ECORSE	64	87,310	39.603	CLASSIC	259	$200.00	$200.00	
2475	36555 ECORSE	65	87,376	39.633	CLASSIC	259	$200.00	$200.00	

	A	B	C	D	E	F	G
2476	BAR4916	108/0080	11-Dec-13	7900 N. Haggerty	ALMA	SOW	11-Dec-13
2477	BAR4917LTL	33/611A/B	11-Dec-13	7900 N. Haggerty	ALMA	SOW	11-Dec-13
2478	BAR4806	108/2140A	11-Dec-13	1200 E. MCNICHOLS	ALMA	SOW	11-Dec-13
2479	BAR4807	108/2140A	11-Dec-13	1200 E. MCNICHOLS	ALMA	SOW	11-Dec-13
2480	BAR4808	108/2140A	11-Dec-13	1200 E. MCNICHOLS	SHA/ALMA	SOW	11-Dec-13
2481	BAR4809	108/2140A	11-Dec-13	1200 E. MCNICHOLS	DESCHAMBAULT/SHA	TBAR/SOW	11-Dec-13
2482	BAR4810	108/2140A	11-Dec-13	1200 E. MCNICHOLS	DESCHAMBAULT	TBAR	11-Dec-13
2483	BAR4811	413/2137A	11-Dec-13	1200 E. MCNICHOLS	DESCHAMBAULT	TBAR	11-Dec-13
2484	BAR4812	413/2137A	11-Dec-13	1200 E. MCNICHOLS	DESCHAMBAULT	TBAR	11-Dec-13
2485	BAR4813	413/2137A	11-Dec-13	1200 E. MCNICHOLS	DESCHAMBAULT	TBAR	11-Dec-13
2486	BAR4814	413/2137A	11-Dec-13	1200 E. MCNICHOLS	DESCHAMBAULT/DUBUC	TBAR	11-Dec-13
2487	BAR4878	9934/2144	11-Dec-13	151 LAFAYETTE	DESCHAMBAULT	TBAR	11-Dec-13
2488	BAR4879	095/17A	11-Dec-13	151 LAFAYETTE	DESCHAMBAULT	TBAR	11-Dec-13
2489	BAR4880	9934/2144	11-Dec-13	151 LAFAYETTE	DESCHAMBAULT	TBAR	11-Dec-13
2490	BAR4881	95/17A	11-Dec-13	151 LAFAYETTE	DESCHAMBAULT	TBAR	11-Dec-13
2491	BAR4882	9934/2140	11-Dec-13	151 LAFAYETTE	DESCHAMBAULT	TBAR	11-Dec-13
2492	BAR4883	95/17A	11-Dec-13	151 LAFAYETTE	DESCHAMBAULT	TBAR	11-Dec-13
2493	BAR4884	9934/2144	11-Dec-13	151 LAFAYETTE	DESCHAMBAULT	TBAR	11-Dec-13
2494	BAR4885	95/17A	11-Dec-13	151 LAFAYETTE	DESCHAMBAULT	TBAR	11-Dec-13
2495	BAR4886	9934/2144	11-Dec-13	151 LAFAYETTE	DESCHAMBAULT/DUBUC	TBAR	11-Dec-13
2496	BAR4887	95/17A	11-Dec-13	151 LAFAYETTE	DUBUC	TBAR	11-Dec-13
2497	BAR5086	91/91A	11-Dec-13	20495 PENNSYLVANIA RD	DESCHAMBAULT	TBAR	11-Dec-13
2498	BAR5093	91/91A	11-Dec-13	20495 PENNSYLVANIA RD	DESCHAMBAULT	TBAR	11-Dec-13
2499	BAR5094	91/91A	11-Dec-13	20495 PENNSYLVANIA RD	DESCHAMBAULT	TBAR	11-Dec-13
2500	BAR5100	91/91A	11-Dec-13	20495 PENNSYLVANIA RD	DESCHAMBAULT	TBAR	11-Dec-13
2501	BAR5083	670/670A	11-Dec-13	20495 PENNSYLVANIA RD	DESCHAMBAULT	TBAR	11-Dec-13
2502	BAR5089	670/670	11-Dec-13	20495 PENNSYLVANIA RD	DESCHAMBAULT	TBAR	11-Dec-13
2503	BAR5102	670/670A	11-Dec-13	20495 PENNSYLVANIA RD	DESCHAMBAULT	TBAR	11-Dec-13
2504	BAR5097	670/670A	11-Dec-13	20495 PENNSYLVANIA RD	DESCHAMBAULT	TBAR	11-Dec-13
2505	BAR5087	007/007A	11-Dec-13	20495 PENNSYLVANIA RD	DESCHAMBAULT	TBAR	11-Dec-13
2506	BAR5096	007/007A	11-Dec-13	20495 PENNSYLVANIA RD	DESCHAMBAULT	TBAR	11-Dec-13
2507	BAR5095	007/007A	11-Dec-13	20495 PENNSYLVANIA RD	DESCHAMBAULT	TBAR	11-Dec-13
2508	BAR5084	92//92A	11-Dec-13	20495 PENNSYLVANIA RD	DESCHAMBAULT	TBAR	11-Dec-13
2509	BAR5090	92/92A	11-Dec-13	20495 PENNSYLVANIA RD	DESCHAMBAULT	TBAR	11-Dec-13
2510	BAR5091	92/92A	11-Dec-13	20495 PENNSYLVANIA RD	DESCHAMBAULT	TBAR	11-Dec-13
2511	BAR5098	92/92A	11-Dec-13	20495 PENNSYLVANIA RD	DESCHAMBAULT	TBAR	11-Dec-13
2512	BAR5085	U13000/505	11-Dec-13	20495 PENNSYLVANIA RD	DESCHAMBAULT	TBAR	11-Dec-13
2513	BAR5092	U13000/505	11-Dec-13	20495 PENNSYLVANIA RD	DESCHAMBAULT	TBAR	11-Dec-13
2514	BAR5099	U13000/505	11-Dec-13	20495 PENNSYLVANIA RD	DESCHAMBAULT	TBAR	11-Dec-13
2515	BAR5088	357/8044	11-Dec-13	20495 PENNSYLVANIA RD	DESCHAMBAULT	TBAR	11-Dec-13
2516	BAR4736	924/806	12-Dec-13	26090 23 MILE RD	DESCHAMBAULT	TBAR	12-Dec-13
2517	BAR4737	924/806	12-Dec-13	26090 23 MILE RD	DESCHAMBAULT	TBAR	12-Dec-13
2518	BAR4738	4/4B	12-Dec-13	26090 23 MILE RD	DESCHAMBAULT	TBAR	12-Dec-13
2519	BAR4739	924/806	12-Dec-13	26090 23 MILE RD	DESCHAMBAULT	TBAR	12-Dec-13
2520	BAR4740	4/4B	12-Dec-13	26090 23 MILE RD	DESCHAMBAULT	TBAR	12-Dec-13

	H	I	J	K	L	M	N	O	P
2476	36555 ECORSE	65	86,632	39.296	CLASSIC	259	$200.00	$200.00	
2477	36555 ECORSE	14	19,053	8.642	CLASSIC	259	$200.00	$200.00	
2478	6490 LYNCH	57	86,529	39.249	CHAMPION	004806-01	$215.00	$215.00	
2479	6490 LYNCH	58	87,766	39.819	CHAMPION	004807-01	$215.00	$215.00	
2480	6490 LYNCH	55	87,405	39.646	CHAMPION	004808-01	$215.00	$215.00	
2481	6490 LYNCH	56	86,619	39.290	CHAMPION	004809-01	$215.00	$215.00	
2482	6490 LYNCH	58	87,704	39.782	CHAMPION	004810-01	$215.00	$215.00	
2483	6490 LYNCH	58	87,841	39.844	CHAMPION	004811-01	$215.00	$215.00	
2484	6490 LYNCH	58	87,807	39.829	CHAMPION	004812-01	$215.00	$215.00	
2485	6490 LYNCH	58	87,742	39.799	CHAMPION	004813-01	$215.00	$215.00	
2486	6490 LYNCH	54	86,398	39.190	CHAMPION	004814-01	$215.00	$215.00	
2487	26090 23 MILE RD	56	87,861	39.853	CHAMPION	004878-01	$225.00	$225.00	
2488	26090 23 MILE RD	58	87,810	39.830	L&R TRUCKING	004879-01	$225.00	$225.00	
2489	26090 23 MILE RD	58	87,846	39.846	CHAMPION	004880-01	$225.00	$225.00	
2490	26090 23 MILE RD	58	87,826	39.837	L&R TRUCKING	004881-01	$225.00	$225.00	
2491	26090 23 MILE RD	58	87,781	39.817	CHAMPION	004882-01	$225.00	$225.00	
2492	26090 23 MILE RD	58	87,859	39.852	L&R TRUCKING	004883-01	$225.00	$225.00	
2493	26090 23 MILE RD	58	87,760	39.807	CHAMPION	004884-01	$225.00	$225.00	
2494	26090 23 MILE RD	58	87,795	39.823	L&R TRUCKING	004885-01	$225.00	$225.00	
2495	26090 23 MILE RD	59	87,792	39.822	CHAMPION	004886-01	$225.00	$225.00	
2496	26090 23 MILE RD	60	87,875	39.859	L&R TRUCKING	004887-01	$225.00	$225.00	
2497	36555 ECORSE RD	58	87,888	39.865	JP GRAHAM	17628	$270.00	$270.00	
2498	36555 ECORSE RD	58	87,836	39.842	JP GRAHAM	17629	$270.00	$270.00	
2499	36555 ECORSE RD	58	87,572	39.722	JP GRAHAM	17631	$270.00	$270.00	
2500	36555 ECORSE RD	58	87,483	39.682	JP GRAHAM	17632	$270.00	$270.00	
2501	36555 ECORSE RD	58	87,562	39.718	JP GRAHAM	17748	$270.00	$270.00	
2502	36555 ECORSE RD	58	87,541	39.708	JP GRAHAM	17751	$270.00	$270.00	
2503	36555 ECORSE RD	58	87,538	39.707	JP GRAHAM	17753	$270.00	$270.00	
2504	36555 ECORSE RD	58	87,616	39.742	JP GRAHAM	17758	$270.00	$270.00	
2505	36555 ECORSE RD	59	87,807	39.829	JP GRAHAM	17827	$270.00	$270.00	
2506	36555 ECORSE RD	58	87,658	39.761	JP GRAHAM	17829	$270.00	$270.00	
2507	36555 ECORSE RD	58	87,710	39.785	JP GRAHAM	17841	$270.00	$270.00	
2508	36555 ECORSE RD	58	87,693	39.777	JP GRAHAM	17899	$270.00	$270.00	
2509	36555 ECORSE RD	58	87,562	39.718	JP GRAHAM	17901	$270.00	$270.00	
2510	36555 ECORSE RD	58	87,654	39.759	JP GRAHAM	17903	$270.00	$270.00	
2511	36555 ECORSE RD	58	87,541	39.708	JP GRAHAM	17905	$270.00	$270.00	
2512	36555 ECORSE RD	58	87,608	39.738	JP GRAHAM	18073	$270.00	$270.00	
2513	36555 ECORSE RD	58	87,647	39.756	JP GRAHAM	18080	$270.00	$270.00	
2514	36555 ECORSE RD	58	87,539	39.707	JP GRAHAM	18083	$270.00	$270.00	
2515	36555 ECORSE RD	58	87,825	39.837	JP GRAHAM	18099	$270.00	$270.00	
2516	50703 E RUSSELL	58	87,639	39.752	CLASSIC	259	$200.00	$200.00	
2517	50703 E RUSSELL	58	87,673	39.768	CLASSIC	259	$200.00	$200.00	
2518	50703 E RUSSELL	58	87,585	39.728	CLASSIC	259	$200.00	$200.00	
2519	50703 E RUSSELL	58	87,634	39.750	CLASSIC	259	$200.00	$200.00	
2520	50703 E RUSSELL	58	87,658	39.761	CLASSIC	259	$200.00	$200.00	

	A	B	C	D	E	F	G
2521	BAR4741	924/806	12-Dec-13	26090 23 MILE RD	DESCHAMBAULT/DUBUC	TBAR	12-Dec-13
2522	BAR4742	4/4B	12-Dec-13	26090 23 MILE RD	DUBUC	TBAR	12-Dec-13
2523	BAR4743	4/4B	12-Dec-13	26090 23 MILE RD	DUBUC	TBAR	12-Dec-13
2524	BAR4744	4/4B	12-Dec-13	26090 23 MILE RD	DUBUC	TBAR	12-Dec-13
2525	BAR4745LTL	924/806	12-Dec-13	26090 23 MILE RD	DUBUC	TBAR	12-Dec-13
2526	BAR4888	95-17A	12-Dec-13	151 LAFAYETTE	DUBUC	TBAR	12-Dec-13
2527	BAR4889	108/2140A	12-Dec-13	151 LAFAYETTE	DUBUC	TBAR	12-Dec-13
2528	BAR4890	95-17A	12-Dec-13	151 LAFAYETTE	DUBUC	TBAR	12-Dec-13
2529	BAR4891	108/2140A	12-Dec-13	151 LAFAYETTE	DUBUC	TBAR	12-Dec-13
2530	BAR4892	95-17A	12-Dec-13	151 LAFAYETTE	DUBUC	TBAR	12-Dec-13
2531	BAR4893	108/2140A	12-Dec-13	151 LAFAYETTE	DUBUC	TBAR	12-Dec-13
2532	BAR4894	95-17A	12-Dec-13	151 LAFAYETTE	DUBUC	TBAR	12-Dec-13
2533	BAR4895	95-17A	12-Dec-13	151 LAFAYETTE	DUBUC	TBAR	12-Dec-13
2534	BAR4896	95-17A	12-Dec-13	151 LAFAYETTE	DUBUC/ALOUETTE	TBAR/SOW	12-Dec-13
2535	BAR4897LTL	431-2137A	12-Dec-13	151 LAFAYETTE	ALOUETTE	SOW	12-Dec-13
2536	BAR5132	9934-2144	12-Dec-13	151 LAFAYETTE	ABCQ	TBAR	12-Dec-13
2537	BAR5133	413-2137A	12-Dec-13	151 LAFAYETTE	ABCQ	TBAR	12-Dec-13
2538	BAR5134	9934-2144	12-Dec-13	151 LAFAYETTE	ABCQ	TBAR	12-Dec-13
2539	BAR5136	9934-2144	12-Dec-13	151 LAFAYETTE	ABCQ	TBAR	12-Dec-13
2540	BAR5137	413-2137A	12-Dec-13	151 LAFAYETTE	ABCQ	TBAR	12-Dec-13
2541	BAR5138	9934-2144	12-Dec-13	151 LAFAYETTE	ABCQ	TBAR	12-Dec-13
2542	BAR5139	413-2137A	12-Dec-13	151 LAFAYETTE	ABCQ	TBAR	12-Dec-13
2543	BAR5141	413-2137A	12-Dec-13	151 LAFAYETTE	ABCQ	TBAR	12-Dec-13
2544	BAR5135	413-2137A	12-Dec-13	151 LAFAYETTE	ABCQ	TBAR	12-Dec-13
2545	BAR5140	9934-2144	12-Dec-13	151 LAFAYETTE	ABCQ	TBAR	12-Dec-13
2546	BAR5730	11097/11091A	12-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	12-Dec-13
2547	BAR5717	7010/40	12-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	12-Dec-13
2548	BAR5106	894A/894B	12-Dec-13	20495 PENNSYLVANIA	DESCHAMBAULT	TBAR	12-Dec-13
2549	BAR5731	7010/40	12-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	12-Dec-13
2550	BAR5117	7010/7010A	12-Dec-13	20495 PENNSYLVANIA	DESCHAMBAULT	TBAR	12-Dec-13
2551	BAR5118	8911A/8911B	12-Dec-13	20495 PENNSYLVANIA	DESCHAMBAULT/ALMA	TBAR	12-Dec-13
2552	BAR5109	11091/11091A	12-Dec-13	20495 PENNSYLVANIA	DESCHAMBAULT	TBAR	12-Dec-13
2553	BAR5726	170/1	12-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	12-Dec-13
2554	BAR5122	894/894A	12-Dec-13	20495 PENNSYLVANIA	ALOUETTE/SHA	SOW	12-Dec-13
2555	BAR5108	11091/11091A	12-Dec-13	20495 PENNSYLVANIA	DESCHAMBAULT	TBAR	12-Dec-13
2556	BAR5114	170/1	12-Dec-13	20495 PENNSYLVANIA	DESCHAMBAULT	TBAR	12-Dec-13
2557	BAR5718	91/91A	12-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	12-Dec-13
2558	BAR5107	91/91A	12-Dec-13	20495 PENNSYLVANIA	DESCHAMBAULT	TBAR	12-Dec-13
2559	BAR5719	91/91A	12-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	12-Dec-13
2560	BAR5725	91/91A	12-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	12-Dec-13
2561	BAR5727	357/8014	12-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	12-Dec-13
2562	BAR5729	357/8014	12-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	12-Dec-13
2563	BAR5728	357/8014	12-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	12-Dec-13
2564	BAR5112	902/1402	12-Dec-13	20495 PENNSYLVANIA	DESCHAMBAULT	TBAR	12-Dec-13
2565	BAR5119	902/1402	12-Dec-13	20495 PENNSYLVANIA	ALMA	SOW/TBAR	12-Dec-13

	H	I	J	K	L	M	N	O	P
2521	50703 E RUSSELL	57	87,163	39.537	CLASSIC	259	$200.00	$200.00	
2522	50703 E RUSSELL	53	87,652	39.758	CLASSIC	259	$200.00	$200.00	
2523	50703 E RUSSELL	53	87,650	39.757	CLASSIC	259	$200.00	$200.00	
2524	50703 E RUSSELL	53	87,326	39.610	CLASSIC	259	$200.00	$200.00	
2525	50703 E RUSSELL	31	50,994	23.131	CLASSIC	259	$200.00	$200.00	
2526	26090 23 MILE RD	60	87,678	39.770	ALGER	004888-01	$225.00	$225.00	
2527	26090 23 MILE RD	60	87,870	39.857	ALGER	004889-01	$225.00	$225.00	
2528	26090 23 MILE RD	59	86,750	39.349	ALGER	004890-01	$225.00	$225.00	
2529	26090 23 MILE RD	60	87,519	39.698	ALGER	004891-01	$225.00	$225.00	
2530	26090 23 MILE RD	59	86,765	39.356	ALGER	004892-01	$225.00	$225.00	
2531	26090 23 MILE RD	59	86,725	39.338	ALGER	004893-01	$225.00	$225.00	
2532	26090 23 MILE RD	59	86,777	39.361	ALGER	004894-01	$225.00	$225.00	
2533	26090 23 MILE RD	60	87,869	39.857	ALGER	004895-01	$225.00	$225.00	
2534	26090 23 MILE RD	58	87,826	39.837	ALGER	004896-01	$225.00	$225.00	
2535	26090 23 MILE RD	45	71,899	32.613	ALGER	004897-01	$225.00	$225.00	
2536	50703 E RUSSELL	61	86,732	39.341	CHAMPION	005132-01	$225.00	$225.00	
2537	50703 E RUSSELL	56	87,389	39.639	CHAMPION	005133-01	$225.00	$225.00	
2538	50703 E RUSSELL	55	86,601	39.282	CHAMPION	005134-01	$225.00	$225.00	
2539	50703 E RUSSELL	55	86,885	39.410	CHAMPION	005136-01	$225.00	$225.00	
2540	50703 E RUSSELL	57	87,585	39.728	CHAMPION	005137-01	$225.00	$225.00	
2541	50703 E RUSSELL	57	87,334	39.614	CHAMPION	005138-01	$225.00	$225.00	
2542	50703 E RUSSELL	55	86,944	39.437	CHAMPION	005139-01	$225.00	$225.00	
2543	50703 E RUSSELL	55	86,946	39.438	CHAMPION	005141-01	$225.00	$225.00	
2544	50703 E RUSSELL	55	87,089	39.503	CHAMPION	051350-01	$225.00	$225.00	
2545	50703 E RUSSELL	55	86,985	39.456	CHAMPION	051400-01	$225.00	$225.00	
2546	36555 ECORSE	55	87,827	39.838	JPGRAHAM	17314	$270.00	$270.00	
2547	36555 ECORSE	55	87,351	39.622	JPGRAHAM	17316	$270.00	$270.00	
2548	36555 ECORSE	58	87,548	39.711	JPGRAHAM	17318	$270.00	$270.00	
2549	36555 ECORSE	55	87,476	39.678	JPGRAHAM	17320	$270.00	$270.00	
2550	36555 ECORSE	58	87,572	39.722	JPGRAHAM	17322	$270.00	$270.00	
2551	36555 ECORSE	53	86,711	39.331	JPGRAHAM	17324	$270.00	$270.00	
2552	36555 ECORSE	58	87,609	39.739	JPGRAHAM	17326	$270.00	$270.00	
2553	36555 ECORSE	55	86,576	39.270	JPGRAHAM	17328	$270.00	$270.00	
2554	36555 ECORSE	54	86,441	39.209	JPGRAHAM	17329	$270.00	$270.00	
2555	36555 ECORSE	58	87,725	39.791	JPGRAHAM	17330	$270.00	$270.00	
2556	36555 ECORSE	58	87,509	39.693	JPGRAHAM	17428	$270.00	$270.00	
2557	36555 ECORSE	55	87,444	39.664	JPGRAHAM	17635	$270.00	$270.00	
2558	36555 ECORSE	58	87,645	39.755	JPGRAHAM	17636	$270.00	$270.00	
2559	36555 ECORSE	55	86,794	39.369	JPGRAHAM	17637	$270.00	$270.00	
2560	36555 ECORSE	58	87,935	39.887	JPGRAHAM	17639	$270.00	$270.00	
2561	36555 ECORSE	55	87,579	39.725	JPGRAHAM	17692	$270.00	$270.00	
2562	36555 ECORSE	55	86,977	39.452	JPGRAHAM	17700	$270.00	$270.00	
2563	36555 ECORSE	58	87,749	39.802	JPGRAHAM	17701	$270.00	$270.00	
2564	36555 ECORSE	58	87,689	39.775	JPGRAHAM	17714	$270.00	$270.00	
2565	36555 ECORSE	56	87,397	39.643	JPGRAHAM	17716	$270.00	$270.00	

	A	B	C	D	E	F	G
2566	BAR5720	11097/11091A	12-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	12-Dec-13
2567	BAR5103	670/670A	12-Dec-13	20495 PENNSYLVANIA	DESCHAMBAULT	TBAR	12-Dec-13
2568	BAR5113	670/670A	12-Dec-13	20495 PENNSYLVANIA	DESCHAMBAULT	TBAR	12-Dec-13
2569	BAR5121	200/200	12-Dec-13	20495 PENNSYLVANIA	ALMA/SHA	SOW	12-Dec-13
2570	BAR5721	670/670A	12-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	12-Dec-13
2571	BAR5724	670/670A	12-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	12-Dec-13
2572	BAR5101	007/007A	12-Dec-13	20495 PENNSYLVANIA	DESCHAMBAULT	TBAR	12-Dec-13
2573	BAR5105	007/007A	12-Dec-13	20495 PENNSYLVANIA	DESCHAMBAULT	TBAR	12-Dec-13
2574	BAR5110	007/007A	12-Dec-13	20495 PENNSYLVANIA	DESCHAMBAULT	TBAR	12-Dec-13
2575	BAR5120	007/007	12-Dec-13	20495 PENNSYLVANIA	ALMA	SOW	12-Dec-13
2576	BAR5123LTL	007/007A	12-Dec-13	20495 PENNSYLVANIA	ALOUETTE	SOW	12-Dec-13
2577	BAR5723	92/92A	12-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	12-Dec-13
2578	BAR5722	670/670A	12-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	12-Dec-13
2579	BAR5111	92/92A	12-Dec-13	20495 PENNSYLVANIA	DESCHAMBAULT	TBAR	12-Dec-13
2580	BAR5116	92/92A	12-Dec-13	20495 PENNSYLVANIA	DESCHAMBAULT	TBAR	12-Dec-13
2581	BAR5104	92/92A	12-Dec-13	20495 PENNSYLVANIA	DESCHAMBAULT	TBAR	12-Dec-13
2582	BAR5115	200/505	12-Dec-13	20495 PENNSYLVANIA	DESCHAMBAULT	TBAR	12-Dec-13
2583	BAR5383	194	13-Dec-13	6490 Lynch	ABCQ	TBAR	13-Dec-13
2584	BAR5384	108	13-Dec-13	6490 Lynch	ABCQ	TBAR	13-Dec-13
2585	BAR5385	33	13-Dec-13	6490 Lynch	ABCQ	TBAR	13-Dec-13
2586	BAR5386	194	13-Dec-13	6490 Lynch	ABCQ	TBAR	13-Dec-13
2587	BAR5387	108	13-Dec-13	6490 Lynch	ABCQ	TBAR	13-Dec-13
2588	BAR5388	33	13-Dec-13	6490 Lynch	ABCQ	TBAR	13-Dec-13
2589	BAR5389	194	13-Dec-13	6490 Lynch	ABCQ	TBAR	13-Dec-13
2590	BAR5390	108	13-Dec-13	6490 Lynch	ABCQ	TBAR	13-Dec-13
2591	BAR5391	33	13-Dec-13	6490 Lynch	ABCQ	TBAR	13-Dec-13
2592	BAR5392		13-Dec-13	6490 Lynch	ABCQ	TBAR	13-Dec-13
2593	BAR5642	605	13-Dec-13	17423 West Jefferson	ABCQ	TBAR	13-Dec-13
2594	BAR5643	806	13-Dec-13	17423 West Jefferson	ABCQ	TBAR	13-Dec-13
2595	BAR5644	605	13-Dec-13	17423 West Jefferson	ABCQ	TBAR	13-Dec-13
2596	BAR5645	806	13-Dec-13	17423 West Jefferson	ABCQ	TBAR	13-Dec-13
2597	BAR5646	605	13-Dec-13	17423 West Jefferson	ABCQ	TBAR	13-Dec-13
2598	BAR5142	9934-2144	13-Dec-13	151 LAFAYETTE	ABCQ	TBAR	13-Dec-13
2599	BAR5143	111-2150A	13-Dec-13	151 LAFAYETTE	ABCQ	TBAR	13-Dec-13
2600	BAR5144	413-2137A	13-Dec-13	151 LAFAYETTE	ABCQ	TBAR	13-Dec-13
2601	BAR5145	9934-2144	13-Dec-13	151 LAFAYETTE	ABCQ	TBAR	13-Dec-13
2602	BAR5146	111-2150A	13-Dec-13	151 LAFAYETTE	ABCQ	TBAR	13-Dec-13
2603	BAR5147	413-2137A	13-Dec-13	151 LAFAYETTE	ABCQ	TBAR	13-Dec-13
2604	BAR5148	9934-2144	13-Dec-13	151 LAFAYETTE	ABCQ	TBAR	13-Dec-13
2605	BAR5149	111-2150A	13-Dec-13	151 LAFAYETTE	ABCQ	TBAR	13-Dec-13
2606	BAR5150	413-2137A	13-Dec-13	151 LAFAYETTE	ABCQ	TBAR	13-Dec-13
2607	BAR5151	9934-2144	13-Dec-13	151 LAFAYETTE	ABCQ	TBAR	13-Dec-13
2608	BAR5152	111-2150A	13-Dec-13	151 LAFAYETTE	ABCQ	TBAR	13-Dec-13
2609	BAR5153	413-2137A	13-Dec-13	151 LAFAYETTE	ABCQ	TBAR	13-Dec-13
2610	BAR5154	9934-2144	13-Dec-13	151 LAFAYETTE	ABCQ	TBAR	13-Dec-13

	H	I	J	K	L	M	N	O	P
2566	36555 ECORSE	55	86,651	39.304	JPGRAHAM	17755	$270.00	$270.00	
2567	36555 ECORSE	58	87,603	39.736	JPGRAHAM	17756	$270.00	$270.00	
2568	36555 ECORSE	58	87,607	39.738	JPGRAHAM	17760	$270.00	$270.00	
2569	36555 ECORSE	57	86,959	39.444	JPGRAHAM	17766	$270.00	$270.00	
2570	36555 ECORSE	55	86,904	39.419	JPGRAHAM	17768	$270.00	$270.00	
2571	36555 ECORSE	55	86,916	39.424	JPGRAHAM	17769	$270.00	$270.00	
2572	36555 ECORSE	58	87,654	39.759	JPGRAHAM	17843	$270.00	$270.00	
2573	36555 ECORSE	58	87,602	39.736	JPGRAHAM	17844	$270.00	$270.00	
2574	36555 ECORSE	58	87,862	39.854	JPGRAHAM	17845	$270.00	$270.00	
2575	36555 ECORSE	57	86,619	39.290	JPGRAHAM	17846	$270.00	$270.00	
2576	36555 ECORSE	8	12,752	5.784	JPGRAHAM	17847	$270.00	$270.00	
2577	36555 ECORSE	55	87,535	39.705	JPGRAHAM	17900	$270.00	$270.00	
2578	36555 ECORSE	55	86,844	39.392	JPGRAHAM	17902	$270.00	$270.00	
2579	36555 ECORSE	58	87,588	39.729	JPGRAHAM	17904	$270.00	$270.00	
2580	36555 ECORSE	58	87,570	39.721	JPGRAHAM	17906	$270.00	$270.00	
2581	36555 ECORSE	58	87,663	39.763	JPGRAHAM	17907	$270.00	$270.00	
2582	36555 ECORSE	58	87,561	39.717	JPGRAHAM	18085	$270.00	$270.00	
2583	4815 CABOT ST	55	86,551	39.259	CLASSIC	259	$200.00	$200.00	
2584	4815 CABOT ST	56	87,909	39.875	CLASSIC	259	$200.00	$200.00	
2585	4815 CABOT ST	56	87,833	39.840	CLASSIC	259	$200.00	$200.00	
2586	4815 CABOT ST	57	87,531	39.703	CLASSIC	259	$200.00	$200.00	
2587	4815 CABOT ST	60	86,652	39.305	CLASSIC	259	$200.00	$200.00	
2588	4815 CABOT ST	59	87,368	39.630	CLASSIC	259	$200.00	$200.00	
2589	4815 CABOT ST	58	86,521	39.245	CLASSIC	259	$200.00	$200.00	
2590	4815 CABOT ST	56	87,955	39.896	CLASSIC	259	$200.00	$200.00	
2591	4815 CABOT ST	57	87,795	39.823	CLASSIC	259	$200.00	$200.00	
2592	4815 CABOT ST	58	87,403	39.645	CLASSIC	259	$200.00	$200.00	
2593	20495 PENNSYLVANIA	55	86,566	39.266	CLASSIC	259	$200.00	$200.00	
2594	20495 PENNSYLVANIA	55	87,064	39.492	CLASSIC	259	$200.00	$200.00	
2595	20495 PENNSYLVANIA	58	87,887	39.865	CLASSIC	259	$200.00	$200.00	
2596	20495 PENNSYLVANIA	58	86,968	39.448	CLASSIC	259	$200.00	$200.00	
2597	20495 PENNSYLVANIA	60	87,304	39.600	CLASSIC	259	$200.00	$200.00	
2598	50703 E RUSSELL	55	86,851	39.395	CHAMPION	005142-01	$225.00	$225.00	
2599	50703 E RUSSELL	55	86,589	39.276	CHAMPION	005143-01	$225.00	$225.00	
2600	50703 E RUSSELL	57	87,259	39.580	CHAMPION	005144-01	$225.00	$225.00	
2601	50703 E RUSSELL	57	87,586	39.728	CHAMPION	005145-01	$225.00	$225.00	
2602	50703 E RUSSELL	55	86,953	39.441	CHAMPION	005146-01	$225.00	$225.00	
2603	50703 E RUSSELL	55	86,690	39.322	CHAMPION	005147-01	$225.00	$225.00	
2604	50703 E RUSSELL	55	86,829	39.385	CHAMPION	005148-01	$225.00	$225.00	
2605	50703 E RUSSELL	55	87,310	39.603	CHAMPION	005149-01	$225.00	$225.00	
2606	50703 E RUSSELL	55	86,549	39.258	CHAMPION	005150-01	$225.00	$225.00	
2607	50703 E RUSSELL	55	87,072	39.495	CHAMPION	005151-01	$225.00	$225.00	
2608	50703 E RUSSELL	55	86,963	39.446	CHAMPION	005152-01	$225.00	$225.00	
2609	50703 E RUSSELL	55	86,446	39.211	CHAMPION	005153-01	$225.00	$225.00	
2610	50703 E RUSSELL	56	87,723	39.791	CHAMPION	005154-01	$225.00	$225.00	

	A	B	C	D	E	F	G
2611	BAR5155	111-2150A	13-Dec-13	151 LAFAYETTE	ABCQ	TBAR	13-Dec-13
2612	BAR5156	413-2137A	13-Dec-13	151 LAFAYETTE	ABCQ	TBAR	13-Dec-13
2613	BAR5307	095/17A	13-Dec-13	8650 Mt. Elliott	ABCQ	TBAR	13-Dec-13
2614	BAR5308	095/17A	13-Dec-13	8650 Mt. Elliott	ABCQ	TBAR	13-Dec-13
2615	BAR5309	095/17A	13-Dec-13	8650 Mt. Elliott	ABCQ	TBAR	13-Dec-13
2616	BAR5310	095/17A	13-Dec-13	8650 Mt. Elliott	ABCQ	TBAR	13-Dec-13
2617	BAR5311	095/17A	13-Dec-13	8650 Mt. Elliott	ABCQ	TBAR	13-Dec-13
2618	BAR5744	11091/11091A	13-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	13-Dec-13
2619	BAR5735	92/92A	13-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	13-Dec-13
2620	BAR5742	91/91A	13-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	13-Dec-13
2621	BAR5739	357/8014	13-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	13-Dec-13
2622	BAR5741	357/8014	13-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	13-Dec-13
2623	BAR5745	357/8014	13-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	13-Dec-13
2624	BAR5734	902/1402	13-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	13-Dec-13
2625	BAR5737	902/1402	13-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	13-Dec-13
2626	BAR5743	902/1402	13-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	13-Dec-13
2627	BAR5732	670/670A	13-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	13-Dec-13
2628	BAR5736	670/670A	13-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	13-Dec-13
2629	BAR5746	670/670	13-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	13-Dec-13
2630	BAR5740	007/007A	13-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	13-Dec-13
2631	BAR5738	007/007A	13-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	13-Dec-13
2632	BAR5733	92/92A	13-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	13-Dec-13
2633	BAR5483	924/9941A/B	13-Dec-13	2599 22ND ST	ABCQ	TBAR	13-Dec-13
2634	BAR5484	520/2112A/B	13-Dec-13	2599 22ND ST	ABCQ	TBAR	13-Dec-13
2635	BAR5485	924/9941A/B	13-Dec-13	2599 22ND ST	ABCQ	TBAR	13-Dec-13
2636	BAR5486	520/2112A/B	13-Dec-13	2599 22ND ST	ABCQ	TBAR	13-Dec-13
2637	BAR5487	924/9941A/B	13-Dec-13	2599 22ND ST	ABCQ	TBAR	13-Dec-13
2638	BAR5393	194	16-Dec-13	6490 Lynch	ABCQ	TBAR	16-Dec-13
2639	BAR5394	6	16-Dec-13	6490 Lynch	ABCQ	TBAR	16-Dec-13
2640	BAR5395	33	16-Dec-13	6490 Lynch	ABCQ	TBAR	16-Dec-13
2641	BAR5396	194	16-Dec-13	6490 Lynch	ABCQ	TBAR	16-Dec-13
2642	BAR5397	33	16-Dec-13	6490 Lynch	ABCQ	TBAR	16-Dec-13
2643	BAR5398	108	16-Dec-13	6490 Lynch	ABCQ	TBAR	16-Dec-13
2644	BAR5399	33	16-Dec-13	6490 Lynch	ABCQ	TBAR	16-Dec-13
2645	BAR5400		16-Dec-13	6490 Lynch	ABCQ	TBAR	16-Dec-13
2646	BAR5401	108	16-Dec-13	6490 Lynch	ABCQ	TBAR	16-Dec-13
2647	BAR5402	6	16-Dec-13	6490 Lynch	ABCQ	TBAR	16-Dec-13
2648	BAR5647	5428	16-Dec-13	17423 West Jefferson	ABCQ	TBAR	16-Dec-13
2649	BAR5648	601	16-Dec-13	17423 West Jefferson	ABCQ	TBAR	16-Dec-13
2650	BAR5649	5428	16-Dec-13	17423 West Jefferson	ABCQ	TBAR	16-Dec-13
2651	BAR5650	5428	16-Dec-13	17423 West Jefferson	ABCQ	TBAR	16-Dec-13
2652	BAR5651	5428	16-Dec-13	17423 West Jefferson	ABCQ	TBAR	16-Dec-13
2653	BAR5882	520/2112	16-Dec-13	1725 CICOTTE	ABCQ	TBAR	16-Dec-13
2654	BAR5883	520/2112	16-Dec-13	1725 CICOTTE	ABCQ	TBAR	16-Dec-13
2655	BAR5884	520/2112	16-Dec-13	1725 CICOTTE	ABCQ	TBAR	16-Dec-13

	H	I	J	K	L	M	N	O	P
2611	50703 E RUSSELL	55	86,408	39.194	CHAMPION	005155-01	$225.00	$225.00	
2612	50703 E RUSSELL	56	87,951	39.894	CHAMPION	005156-01	$225.00	$225.00	
2613	1200 E. MCNICHOLS AVE.	55	86,803	39.373	L&R TRUCKING	005307-01	$225.00	$225.00	
2614	1200 E. MCNICHOLS AVE.	56	88,422	40.108	L&R TRUCKING	005308-01	$225.00	$225.00	
2615	1200 E. MCNICHOLS AVE.	55	86,611	39.286	L&R TRUCKING	005309-01	$225.00	$225.00	
2616	1200 E. MCNICHOLS AVE.	55	86,836	39.388	L&R TRUCKING	005310-01	$225.00	$225.00	
2617	1200 E. MCNICHOLS AVE.	55	86,500	39.236	L&R TRUCKING	005311-01	$225.00	$225.00	
2618	36555 ECORSE	56	87,756	39.805	JPGRAHAM	17483	$270.00	$270.00	
2619	36555 ECORSE	55	86,677	39.316	JPGRAHAM	17684	$270.00	$270.00	
2620	36555 ECORSE	56	87,950	39.893	JPGRAHAM	17688	$270.00	$270.00	
2621	36555 ECORSE	55	86,802	39.373	JPGRAHAM	17705	$270.00	$270.00	
2622	36555 ECORSE	56	87,763	39.809	JPGRAHAM	17706	$270.00	$270.00	
2623	36555 ECORSE	56	87,685	39.773	JPGRAHAM	17707	$270.00	$270.00	
2624	36555 ECORSE	56	87,893	39.868	JPGRAHAM	17719	$270.00	$270.00	
2625	36555 ECORSE	58	86,528	39.248	JPGRAHAM	17721	$270.00	$270.00	
2626	36555 ECORSE	59	87,967	39.901	JPGRAHAM	17723	$270.00	$270.00	
2627	36555 ECORSE	55	86,939	39.435	JPGRAHAM	17772	$270.00	$270.00	
2628	36555 ECORSE	58	86,529	39.249	JPGRAHAM	17774	$270.00	$270.00	
2629	36555 ECORSE	57	87,420	39.653	JPGRAHAM	17776	$270.00	$270.00	
2630	36555 ECORSE	56	87,488	39.684	JPGRAHAM	17846	$270.00	$270.00	
2631	36555 ECORSE	58	86,647	39.302	JPGRAHAM	17848	$270.00	$270.00	
2632	36555 ECORSE	55	86,546	39.257	JPGRAHAM	17908	$270.00	$270.00	
2633	1550 SUPERIOR PKWY	55	87,056	39.488	CLASSIC	259	$275.00	$275.00	
2634	1550 SUPERIOR PKWY	55	87,152	39.532	CLASSIC	259	$275.00	$275.00	
2635	1550 SUPERIOR PKWY	55	87,206	39.556	CLASSIC	259	$275.00	$275.00	
2636	1550 SUPERIOR PKWY	55	87,159	39.535	CLASSIC	259	$275.00	$275.00	
2637	1550 SUPERIOR PKWY	55	87,406	39.647	CLASSIC	259	$275.00	$275.00	
2638	4815 CABOT ST	56	87,861	39.853	CLASSIC	260	$200.00	$200.00	
2639	4815 CABOT ST	55	86,657	39.307	CLASSIC	260	$200.00	$200.00	
2640	4815 CABOT ST	56	87,753	39.804	CLASSIC	260	$200.00	$200.00	
2641	4815 CABOT ST	56	87,723	39.791	CLASSIC	260	$200.00	$200.00	
2642	4815 CABOT ST	56	87,786	39.819	CLASSIC	260	$200.00	$200.00	
2643	4815 CABOT ST	57	86,722	39.336	CLASSIC	260	$200.00	$200.00	
2644	4815 CABOT ST	58	87,700	39.780	CLASSIC	260	$200.00	$200.00	
2645	4815 CABOT ST	56	87,893	39.868	CLASSIC	260	$200.00	$200.00	
2646	4815 CABOT ST	56	87,686	39.774	CLASSIC	260	$200.00	$200.00	
2647	4815 CABOT ST	59	87,204	39.555	CLASSIC	260	$200.00	$200.00	
2648	20495 PENNSYLVANIA	55	86,629	39.294	CLASSIC	260	$200.00	$200.00	
2649	20495 PENNSYLVANIA	55	87,274	39.587	CLASSIC	260	$200.00	$200.00	
2650	20495 PENNSYLVANIA	55	87,348	39.620	CLASSIC	260	$200.00	$200.00	
2651	20495 PENNSYLVANIA	55	87,076	39.497	CLASSIC	260	$200.00	$200.00	
2652	20495 PENNSYLVANIA	55	87,130	39.522	CLASSIC	260	$200.00	$200.00	
2653	36555 ECORSE	55	87,721	39.790	CLASSIC	260	$200.00	$200.00	
2654	36555 ECORSE	55	87,733	39.795	CLASSIC	260	$200.00	$200.00	
2655	36555 ECORSE	55	87,407	39.647	CLASSIC	260	$200.00	$200.00	

	A	B	C	D	E	F	G
2656	BAR5885	108/0080	16-Dec-13	1725 CICOTTE	ABCQ	TBAR	16-Dec-13
2657	BAR5886	093/A/B	16-Dec-13	1725 CICOTTE	ABCQ	TBAR	16-Dec-13
2658	BAR5887		16-Dec-13	1725 CICOTTE	ABCQ	TBAR	16-Dec-13
2659	BAR5888	502/2112	16-Dec-13	1725 CICOTTE	ABCQ	TBAR	16-Dec-13
2660	BAR5157	9934/2144	16-Dec-13	151 LAFAYETTE	ABCQ	TBAR	16-Dec-13
2661	BAR5159	3140/2133A	16-Dec-13	151 LAFAYETTE	ABCQ	TBAR	16-Dec-13
2662	BAR5161	413/2137A	16-Dec-13	151 LAFAYETTE	ABCQ	TBAR	16-Dec-13
2663	BAR5162	3140/2133A	16-Dec-13	151 LAFAYETTE	ABCQ	TBAR	16-Dec-13
2664	BAR5163	9934/2144	16-Dec-13	151 LAFAYETTE	ABCQ	TBAR	16-Dec-13
2665	BAR5164	413/2137A	16-Dec-13	151 LAFAYETTE	ABCQ	TBAR	16-Dec-13
2666	BAR5165	3140/2133A	16-Dec-13	151 LAFAYETTE	ABCQ	TBAR	16-Dec-13
2667	BAR5167	413/2137A	16-Dec-13	151 LAFAYETTE	ABCQ	TBAR	16-Dec-13
2668	BAR5168	3140/2137A	16-Dec-13	151 LAFAYETTE	ABCQ	TBAR	16-Dec-13
2669	BAR5169	9934/2144	16-Dec-13	151 LAFAYETTE	ABCQ	TBAR	16-Dec-13
2670	BAR5171	3140/2133A	16-Dec-13	151 LAFAYETTE	ABCQ	TBAR	16-Dec-13
2671	BAR5312	095/17A	16-Dec-13	8650 Mt. Elliott	ABCQ	TBAR	16-Dec-13
2672	BAR5313	095/17A	16-Dec-13	8650 Mt. Elliott	ABCQ	TBAR	16-Dec-13
2673	BAR5314	095/17A	16-Dec-13	8650 Mt. Elliott	ABCQ	TBAR	16-Dec-13
2674	BAR5315	095/17A	16-Dec-13	8650 Mt. Elliott	ABCQ	TBAR	16-Dec-13
2675	BAR5316	095/17A	16-Dec-13	8650 Mt. Elliott	ABCQ	TBAR	16-Dec-13
2676	BAR5317	095/17A	16-Dec-13	8650 Mt. Elliott	ABCQ	TBAR	16-Dec-13
2677	BAR5158	413/2137A	16-Dec-13	151 LAFAYETTE	ABCQ	TBAR	16-Dec-13
2678	BAR5160	9934/2144	16-Dec-13	151 LAFAYETTE	ABCQ	TBAR	16-Dec-13
2679	BAR5166	9934/2144	16-Dec-13	151 LAFAYETTE	ABCQ	TBAR	16-Dec-13
2680	BAR5170	413/2137	16-Dec-13	151 LAFAYETTE	ABCQ	TBAR	16-Dec-13
2681	BAR5759	11091/11091A	16-Dec-13	20495 PENNSYLVANIA RD	ABCQ	TBAR	16-Dec-13
2682	BAR5757	11091/11091A	16-Dec-13	20495 PENNSYLVANIA RD	ABCQ	TBAR	16-Dec-13
2683	BAR5754	11091/11091A	16-Dec-13	20495 PENNSYLVANIA RD	ABCQ	TBAR	16-Dec-13
2684	BAR5747	91/91A	16-Dec-13	20495 PENNSYLVANIA RD	ABCQ	TBAR	16-Dec-13
2685	BAR5749	91/91A	16-Dec-13	20495 PENNSYLVANIA RD	ABCQ	TBAR	16-Dec-13
2686	BAR5756	91/91A	16-Dec-13	20495 PENNSYLVANIA RD	ABCQ	TBAR	16-Dec-13
2687	BAR5755	357/8014	16-Dec-13	20495 PENNSYLVANIA RD	ABCQ	TBAR	16-Dec-13
2688	BAR5753	357/8014	16-Dec-13	20495 PENNSYLVANIA RD	ABCQ	TBAR	16-Dec-13
2689	BAR5751	007/007A	16-Dec-13	20495 PENNSYLVANIA RD	ABCQ	TBAR	16-Dec-13
2690	BAR5752	007/007A	16-Dec-13	20495 PENNSYLVANIA RD	ABCQ	TBAR	16-Dec-13
2691	BAR5760	670/670A	16-Dec-13	20495 PENNSYLVANIA RD	ABCQ	TBAR	16-Dec-13
2692	BAR5761	670/670A	16-Dec-13	20495 PENNSYLVANIA RD	ABCQ	TBAR	16-Dec-13
2693	BAR5750	670/670A	16-Dec-13	20495 PENNSYLVANIA RD	ABCQ	TBAR	16-Dec-13
2694	BAR5748	92/92A	16-Dec-13	20495 PENNSYLVANIA RD	ABCQ	TBAR	16-Dec-13
2695	BAR5758	92/92A	16-Dec-13	20495 PENNSYLVANIA RD	ABCQ	TBAR	16-Dec-13
2696	BAR5488	437/502	16-Dec-13	2599 22ND ST	ABCQ	TBAR	16-Dec-13
2697	BAR5489	108/008	16-Dec-13	2599 22ND ST	ABCQ	TBAR	16-Dec-13
2698	BAR5490	437/502	16-Dec-13	2599 22ND ST	ABCQ	TBAR	16-Dec-13
2699	BAR5491	6/806	16-Dec-13	2599 22ND ST	ABCQ	TBAR	16-Dec-13
2700	BAR5492	437/502	16-Dec-13	2599 22ND ST	ABCQ	TBAR	16-Dec-13

	H	I	J	K	L	M	N	O	P
2656	36555 ECORSE	55	87,688	39.775	CLASSIC	260	$200.00	$200.00	
2657	36555 ECORSE	55	87,581	39.726	CLASSIC	260	$200.00	$200.00	
2658	36555 ECORSE	55	87,657	39.761	CLASSIC	260	$200.00	$200.00	
2659	36555 ECORSE	55	87,457	39.670	CLASSIC	260	$200.00	$200.00	
2660	50703 E RUSSELL	55	86,441	39.209	CHAMPION	005157-01	$225.00	$225.00	
2661	50703 E RUSSELL	55	86,198	39.099	CHIEFS	005159-01	$225.00	$225.00	
2662	50703 E RUSSELL	58	86,673	39.314	CHAMPION	005161-01	$225.00	$225.00	
2663	50703 E RUSSELL	55	86,852	39.395	CHIEFS	005162-01	$225.00	$225.00	
2664	50703 E RUSSELL	59	86,469	39.222	CHAMPION	005163-01	$225.00	$225.00	
2665	50703 E RUSSELL	55	87,070	39.494	CHAMPION	005164-01	$225.00	$225.00	
2666	50703 E RUSSELL	56	87,050	39.485	CHIEFS	005165-01	$225.00	$225.00	
2667	50703 E RUSSELL	55	86,687	39.321	CHAMPION	005167-01	$225.00	$225.00	
2668	50703 E RUSSELL	55	86,501	39.236	CHIEFS	005168-01	$225.00	$225.00	
2669	50703 E RUSSELL	55	86,882	39.409	CHAMPION	005169-01	$225.00	$225.00	
2670	50703 E RUSSELL	55	86,607	39.284	CHIEFS	005171-01	$225.00	$225.00	
2671	1200 E. MCNICHOLS AVE.	56	87,773	39.813	L&R TRUCKING	005312-01	$225.00	$225.00	
2672	1200 E. MCNICHOLS AVE.	55	86,987	39.457	L&R TRUCKING	005313-01	$225.00	$225.00	
2673	1200 E. MCNICHOLS AVE.	55	86,805	39.374	L&R TRUCKING	005314-01	$225.00	$225.00	
2674	1200 E. MCNICHOLS AVE.	55	86,472	39.223	L&R TRUCKING	005315-01	$225.00	$225.00	
2675	1200 E. MCNICHOLS AVE.	55	86,431	39.204	L&R TRUCKING	005316-01	$225.00	$225.00	
2676	1200 E. MCNICHOLS AVE.	55	86,710	39.331	L&R TRUCKING	005317-01	$225.00	$225.00	
2677	50703 E RUSSELL	56	87,883	39.863	CHAMPION	051581-01	$225.00	$225.00	
2678	50703 E RUSSELL	58	87,224	39.564	CHAMPION	051601-01	$225.00	$225.00	
2679	50703 E RUSSELL	55	86,992	39.459	CHAMPION	051661-01	$225.00	$225.00	
2680	50703 E RUSSELL	56	87,949	39.893	CHAMPION	051701-01	$225.00	$225.00	
2681	36555 ECORSE RD	57	87,612	39.740	JP GRAHAM	18310	$270.00	$270.00	
2682	36555 ECORSE RD	56	87,694	39.777	JP GRAHAM	18314	$270.00	$270.00	
2683	36555 ECORSE RD	55	87,410	39.649	JP GRAHAM	18319	$270.00	$270.00	
2684	36555 ECORSE RD	57	86,564	39.265	JP GRAHAM	19094	$270.00	$270.00	
2685	36555 ECORSE RD	56	87,844	39.845	JP GRAHAM	19095	$270.00	$270.00	
2686	36555 ECORSE RD	55	86,424	39.201	JP GRAHAM	19096	$270.00	$270.00	
2687	36555 ECORSE RD	55	86,898	39.416	JP GRAHAM	19158	$270.00	$270.00	
2688	36555 ECORSE RD	55	86,472	39.223	JP GRAHAM	19159	$270.00	$270.00	
2689	36555 ECORSE RD	55	86,476	39.225	JP GRAHAM	19190	$270.00	$270.00	
2690	36555 ECORSE RD	55	87,214	39.560	JP GRAHAM	19193	$270.00	$270.00	
2691	36555 ECORSE RD	55	86,948	39.439	JP GRAHAM	19238	$270.00	$270.00	
2692	36555 ECORSE RD	56	86,723	39.337	JP GRAHAM	19240	$270.00	$270.00	
2693	36555 ECORSE RD	55	86,513	39.242	JP GRAHAM	19260	$270.00	$270.00	
2694	36555 ECORSE RD	56	87,765	39.810	JP GRAHAM	19275	$270.00	$270.00	
2695	36555 ECORSE RD	57	87,417	39.652	JP GRAHAM	19276	$270.00	$270.00	
2696	3801 W. JEFFERSON	56	86,976	39.452	CLASSIC	260	$275.00	$275.00	
2697	3801 W. JEFFERSON	57	87,177	39.543	CLASSIC	260	$275.00	$275.00	
2698	3801 W. JEFFERSON	55	87,643	39.754	CLASSIC	260	$275.00	$275.00	
2699	3801 W. JEFFERSON	55	87,281	39.590	CLASSIC	260	$275.00	$275.00	
2700	3801 W. JEFFERSON	55	87,155	39.533	CLASSIC	260	$275.00	$275.00	

	A	B	C	D	E	F	G
2701	BAR5403	33	17-Dec-13	6490 Lynch	ABCQ	TBAR	17-Dec-13
2702	BAR5404		17-Dec-13	6490 Lynch	ABCQ	TBAR	17-Dec-13
2703	BAR5405		17-Dec-13	6490 Lynch	ABCQ	TBAR	17-Dec-13
2704	BAR5406		17-Dec-13	6490 Lynch	ABCQ	TBAR	17-Dec-13
2705	BAR5407		17-Dec-13	6490 Lynch	ABCQ	TBAR	17-Dec-13
2706	BAR5408	194	17-Dec-13	6490 Lynch	ABCQ	TBAR	17-Dec-13
2707	BAR5409	6	17-Dec-13	6490 Lynch	ABCQ	TBAR	17-Dec-13
2708	BAR5410	437	17-Dec-13	6490 Lynch	ABCQ	TBAR	17-Dec-13
2709	BAR5411		17-Dec-13	6490 Lynch	ABCQ	TBAR	17-Dec-13
2710	BAR5412	33	17-Dec-13	6490 Lynch	ABCQ	TBAR	17-Dec-13
2711	BAR5652	5428	17-Dec-13	17423 West Jefferson	ABCQ	TBAR	17-Dec-13
2712	BAR5653	5428	17-Dec-13	17423 West Jefferson	ABCQ	TBAR	17-Dec-13
2713	BAR5654	8041	17-Dec-13	17423 West Jefferson	ABCQ	TBAR	17-Dec-13
2714	BAR5655	2112	17-Dec-13	17423 West Jefferson	ABCQ	TBAR	17-Dec-13
2715	BAR5656	5428	17-Dec-13	17423 West Jefferson	ABCQ	TBAR	17-Dec-13
2716	BAR5889	520/2112	17-Dec-13	1725 CICOTTE	ABCQ	TBAR	17-Dec-13
2717	BAR5890	520/2112	17-Dec-13	1725 CICOTTE	ABCQ	TBAR	17-Dec-13
2718	BAR5891	520/2112	17-Dec-13	1725 CICOTTE	ABCQ	TBAR	17-Dec-13
2719	BAR5892	5428	17-Dec-13	1725 CICOTTE	ABCQ	TBAR	17-Dec-13
2720	BAR5893	9941A/B	17-Dec-13	1725 CICOTTE	ABCQ	TBAR	17-Dec-13
2721	BAR5894	080/1080	17-Dec-13	1725 CICOTTE	ABCQ	TBAR	17-Dec-13
2722	BAR5895	357/8014	17-Dec-13	1725 CICOTTE	ABCQ	TBAR	17-Dec-13
2723	BAR5896	093/9941A/B	17-Dec-13	1725 CICOTTE	ABCQ	TBAR	17-Dec-13
2724	BAR5897	520/2112	17-Dec-13	1725 CICOTTE	ABCQ	TBAR	17-Dec-13
2725	BAR5172	711/2139	17-Dec-13	151 LAFAYETTE	ABCQ	TBAR	17-Dec-13
2726	BAR5173	9934-2144	17-Dec-13	151 LAFAYETTE	ABCQ	TBAR	17-Dec-13
2727	BAR5174	413-2137A	17-Dec-13	151 LAFAYETTE	ABCQ	TBAR	17-Dec-13
2728	BAR5175	711/2139	17-Dec-13	151 LAFAYETTE	ABCQ	TBAR	17-Dec-13
2729	BAR5176	9934-2144	17-Dec-13	151 LAFAYETTE	ABCQ	TBAR	17-Dec-13
2730	BAR5177	413-2137A	17-Dec-13	151 LAFAYETTE	ABCQ	TBAR	17-Dec-13
2731	BAR5178	711/2139	17-Dec-13	151 LAFAYETTE	ABCQ	TBAR	17-Dec-13
2732	BAR5180	413-2137A	17-Dec-13	151 LAFAYETTE	ABCQ	TBAR	17-Dec-13
2733	BAR5181	711/2139	17-Dec-13	151 LAFAYETTE	ABCQ	TBAR	17-Dec-13
2734	BAR5182	9934-2144	17-Dec-13	151 LAFAYETTE	ABCQ	TBAR	17-Dec-13
2735	BAR5183	413-2137A	17-Dec-13	151 LAFAYETTE	ABCQ	TBAR	17-Dec-13
2736	BAR5184	711/2139	17-Dec-13	151 LAFAYETTE	ABCQ	TBAR	17-Dec-13
2737	BAR5185	9934-2144	17-Dec-13	151 LAFAYETTE	ABCQ	TBAR	17-Dec-13
2738	BAR5186	413-2137A	17-Dec-13	151 LAFAYETTE	ABCQ	TBAR	19-Dec-13
2739	BAR5318	095-17-A	17-Dec-13	8650 Mt. Elliott	ABCQ	TBAR	17-Dec-13
2740	BAR5319	095-17A	17-Dec-13	8650 Mt. Elliott	ABCQ	TBAR	17-Dec-13
2741	BAR5320	095/17-A	17-Dec-13	8650 Mt. Elliott	ABCQ	TBAR	17-Dec-13
2742	BAR5321	095/17-A	17-Dec-13	8650 Mt. Elliott	ABCQ	TBAR	17-Dec-13
2743	BAR5322	095/17-A	17-Dec-13	8650 Mt. Elliott	ABCQ	TBAR	17-Dec-13
2744	BAR5323	095/17-A	17-Dec-13	8650 Mt. Elliott	ABCQ	TBAR	17-Dec-13
2745	BAR5179	9934-2144	17-Dec-13	151 LAFAYETTE	ABCQ	TBAR	17-Dec-13

	H	I	J	K	L	M	N	O	P
2701	4815 CABOT ST	56	86,750	39.349	CLASSIC	260	$200.00	$200.00	
2702	4815 CABOT ST	55	86,663	39.310	CLASSIC	260	$200.00	$200.00	
2703	4815 CABOT ST	56	87,639	39.752	CLASSIC	260	$200.00	$200.00	
2704	4815 CABOT ST	60	87,974	39.904	CLASSIC	260	$200.00	$200.00	
2705	4815 CABOT ST	59	87,535	39.705	CLASSIC	260	$200.00	$200.00	
2706	4815 CABOT ST	60	86,629	39.294	CLASSIC	260	$200.00	$200.00	
2707	4815 CABOT ST	59	86,639	39.299	CLASSIC	260	$200.00	$200.00	
2708	4815 CABOT ST	62	87,472	39.677	CLASSIC	260	$200.00	$200.00	
2709	4815 CABOT ST	57	86,493	39.233	CLASSIC	260	$200.00	$200.00	
2710	4815 CABOT ST	58	86,604	39.283	CLASSIC	260	$200.00	$200.00	
2711	20495 PENNSYLVANIA	55	87,244	39.573	CLASSIC	260	$200.00	$200.00	
2712	20495 PENNSYLVANIA	55	87,326	39.610	CLASSIC	260	$200.00	$200.00	
2713	20495 PENNSYLVANIA	58	86,438	39.208	CLASSIC	260	$200.00	$200.00	
2714	20495 PENNSYLVANIA	55	87,327	39.611	CLASSIC	260	$200.00	$200.00	
2715	20495 PENNSYLVANIA	55	87,341	39.617	CLASSIC	260	$200.00	$200.00	
2716	36555 ECORSE	55	87,705	39.782	CLASSIC	260	$200.00	$200.00	
2717	36555 ECORSE	55	87,471	39.676	CLASSIC	260	$200.00	$200.00	
2718	36555 ECORSE	55	87,256	39.579	CLASSIC	260	$200.00	$200.00	
2719	36555 ECORSE	55	87,388	39.639	CLASSIC	260	$200.00	$200.00	
2720	36555 ECORSE	55	87,293	39.595	CLASSIC	260	$200.00	$200.00	
2721	36555 ECORSE	56	87,298	39.598	CLASSIC	260	$200.00	$200.00	
2722	36555 ECORSE	57	87,968	39.902	CLASSIC	260	$200.00	$200.00	
2723	36555 ECORSE	55	86,811	39.377	CLASSIC	260	$200.00	$200.00	
2724	36555 ECORSE	55	86,550	39.258	CLASSIC	260	$200.00	$200.00	
2725	50703 E RUSSELL	55	86,803	39.373	ALGER	005172-01	$225.00	$225.00	
2726	50703 E RUSSELL	55	86,747	39.348	ALGER	005173-01	$225.00	$225.00	
2727	50703 E RUSSELL	55	87,050	39.485	ALGER	005174-01	$225.00	$225.00	
2728	50703 E RUSSELL	55	86,763	39.355	ALGER	005175-01	$225.00	$225.00	
2729	50703 E RUSSELL	55	87,130	39.522	ALGER	005176-01	$225.00	$225.00	
2730	50703 E RUSSELL	55	86,974	39.451	ALGER	005177-01	$225.00	$225.00	
2731	50703 E RUSSELL	59	87,865	39.855	ALGER	005178-01	$225.00	$225.00	
2732	50703 E RUSSELL	55	86,513	39.242	ALGER	005180-01	$225.00	$225.00	
2733	50703 E RUSSELL	55	86,747	39.348	ALGER	005181-01	$225.00	$225.00	
2734	50703 E RUSSELL	55	86,914	39.424	ALGER	005182-01	$225.00	$225.00	
2735	50703 E RUSSELL	55	87,104	39.510	ALGER	005183-01	$225.00	$225.00	
2736	50703 E RUSSELL	55	87,817	39.833	ALGER	005184-01	$225.00	$225.00	
2737	50703 E RUSSELL	55	87,737	39.797	ALGER	005185-01	$225.00	$225.00	
2738	50703 E RUSSELL	55	87,489	39.684	ALGER	005186-01	$225.00	$225.00	
2739	1200 E. MCNICHOLS AVE.	55	86,878	39.407	CHAMPION	005318-01	$225.00	$225.00	
2740	1200 E. MCNICHOLS AVE.	55	87,070	39.494	CHAMPION	005319-01	$225.00	$225.00	
2741	1200 E. MCNICHOLS AVE.	55	86,750	39.349	L&R TRUCKING	005320-01	$225.00	$225.00	
2742	1200 E. MCNICHOLS AVE.	55	86,440	39.209	L&R TRUCKING	005321-01	$225.00	$225.00	
2743	1200 E. MCNICHOLS AVE.	55	86,666	39.311	L&R TRUCKING	005322-01	$225.00	$225.00	
2744	1200 E. MCNICHOLS AVE.	55	86,687	39.321	L&R TRUCKING	005323-01	$225.00	$225.00	
2745	50703 E RUSSELL	55	86,709	39.331	ALGER	051791-01	$225.00	$225.00	

	A	B	C	D	E	F	G
2746	BAR5772	11091/11091A	17-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	17-Dec-13
2747	BAR5766	11091/11091A	17-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	17-Dec-13
2748	BAR5769	357/8014	17-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	17-Dec-13
2749	BAR5775	357/8014	17-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	17-Dec-13
2750	BAR5765	007/007A	17-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	17-Dec-13
2751	BAR5771	007/007A	17-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	17-Dec-13
2752	BAR5770	92/92A	17-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	17-Dec-13
2753	BAR5776	92/92A	17-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	17-Dec-13
2754	BAR5493	437/502	17-Dec-13	2599 22ND ST	ABCQ	TBAR	17-Dec-13
2755	BAR5494	437/502	17-Dec-13	2599 22ND ST	ABCQ	TBAR	17-Dec-13
2756	BAR5495	093/9941	17-Dec-13	2599 22ND ST	ABCQ	TBAR	17-Dec-13
2757	BAR5496	093/9941 A&B	17-Dec-13	2599 22ND ST	ABCQ	TBAR	17-Dec-13
2758	BAR5497	6/806	17-Dec-13	2599 22ND ST	ABCQ	TBAR	17-Dec-13
2759	BAR5413	33	18-Dec-13	6490 Lynch	ABCQ	TBAR	18-Dec-13
2760	BAR5414	6	18-Dec-13	6490 LYNCH	ABCQ	TBAR	18-Dec-13
2761	BAR5415		18-Dec-13	6490 LYNCH	ABCQ	TBAR	18-Dec-13
2762	BAR5416	L20	18-Dec-13	6490 LYNCH	ABCQ	TBAR	18-Dec-13
2763	BAR5417	33	18-Dec-13	6490 LYNCH	ABCQ	TBAR	18-Dec-13
2764	BAR5418	33	18-Dec-13	6490 LYNCH	ABCQ	TBAR	18-Dec-13
2765	BAR5419	6	18-Dec-13	6490 LYNCH	ABCQ	TBAR	18-Dec-13
2766	BAR5420	6	18-Dec-13	6490 LYNCH	ABCQ	TBAR	18-Dec-13
2767	BAR5421	L20	18-Dec-13	6490 LYNCH	ABCQ	TBAR	18-Dec-13
2768	BAR5422	194	18-Dec-13	6490 LYNCH	ABCQ	TBAR	18-Dec-13
2769	BAR5657	5428	18-Dec-13	17423 WEST JEFFERSON	ABCQ	TBAR	18-Dec-13
2770	BAR5658	4B	18-Dec-13	17423 WEST JEFFERSON	ABCQ	TBAR	18-Dec-13
2771	BAR5659	5428	18-Dec-13	17423 WEST JEFFERSON	ABCQ	TBAR	18-Dec-13
2772	BAR5660	4B	18-Dec-13	17423 WEST JEFFERSON	ABCQ	TBAR	18-Dec-13
2773	BAR5661	5428	18-Dec-13	17423 WEST JEFFERSON	ABCQ	TBAR	18-Dec-13
2774	BAR5898	093/9941	18-Dec-13	1725 CICOTTE	ABCQ	TBAR	18-Dec-13
2775	BAR5899	520/2112	18-Dec-13	1725 CICOTTE	ABCQ	TBAR	18-Dec-13
2776	BAR5900	520/2112	18-Dec-13	1725 CICOTTE	ABCQ	TBAR	18-Dec-13
2777	BAR5901	093/9941	18-Dec-13	1725 CICOTTE	ABCQ	TBAR	18-Dec-13
2778	BAR5902	520/2112	18-Dec-13	1725 CICOTTE	ABCQ	TBAR	18-Dec-13
2779	BAR5187	711/2139	18-Dec-13	151 LAFAYETTE	ABCQ	TBAR	18-Dec-13
2780	BAR5188	9934/2144	18-Dec-13	151 LAFAYETTE	ABCQ	TBAR	18-Dec-13
2781	BAR5190	711/2139	18-Dec-13	151 LAFAYETTE	ABCQ	TBAR	18-Dec-13
2782	BAR5191	9934/2144	18-Dec-13	151 LAFAYETTE	ABCQ	TBAR	18-Dec-13
2783	BAR5193	711/2139	18-Dec-13	151 LAFAYETTE	ABCQ	TBAR	18-Dec-13
2784	BAR5195	413/2137A	18-Dec-13	151 LAFAYETTE	ABCQ	TBAR	18-Dec-13
2785	BAR5196	711/2139	18-Dec-13	151 LAFAYETTE	ABCQ	TBAR	18-Dec-13
2786	BAR5197	9934/2144	18-Dec-13	151 LAFAYETTE	ABCQ	TBAR	18-Dec-13
2787	BAR5198	413/2137A	18-Dec-13	151 LAFAYETTE	ABCQ	TBAR	18-Dec-13
2788	BAR5199	711/2139	18-Dec-13	151 LAFAYETTE	ABCQ	TBAR	18-Dec-13
2789	BAR5200	9934/2144	18-Dec-13	151 LAFAYETTE	ABCQ	TBAR	18-Dec-13
2790	BAR5324	108/2140A	18-Dec-13	8650 Mt. Elliott	ABCQ	TBAR	18-Dec-13

	H	I	J	K	L	M	N	O	P
2746	36555 ECORSE	55	86,427	39.203	JP GRAHAM	18335	$270.00	$270.00	
2747	36555 ECORSE	55	86,482	39.228	JP GRAHAM	18443	$270.00	$270.00	
2748	36555 ECORSE	57	86,672	39.314	JP GRAHAM	19160	$270.00	$270.00	
2749	36555 ECORSE	55	86,809	39.376	JP GRAHAM	19162	$270.00	$270.00	
2750	36555 ECORSE	55	86,663	39.310	JP GRAHAM	19195	$270.00	$270.00	
2751	36555 ECORSE	57	87,671	39.767	JP GRAHAM	19198	$270.00	$270.00	
2752	36555 ECORSE	56	86,839	39.390	JP GRAHAM	19268	$270.00	$270.00	
2753	36555 ECORSE	55	86,949	39.439	JP GRAHAM	19270	$270.00	$270.00	
2754	3801 W. JEFFERSON	55	87,084	39.501	CLASSIC	260	$275.00	$275.00	
2755	3801 W. JEFFERSON	55	86,958	39.444	CLASSIC	260	$275.00	$275.00	
2756	3801 W. JEFFERSON	55	87,113	39.514	CLASSIC	260	$275.00	$275.00	
2757	3801 W. JEFFERSON	55	87,169	39.548	CLASSIC	260	$275.00	$275.00	
2758	3801 W. JEFFERSON	55	87,285	39.592	CLASSIC	260	$275.00	$275.00	
2759	4815 CABOT ST	61	87,404	39.646	CLASSIC	260	$200.00	$200.00	
2760	4815 CABOT ST	55	86,562	39.264	CLASSIC	260	$200.00	$200.00	
2761	4815 CABOT ST	56	87,937	39.888	CLASSIC	260	$200.00	$200.00	
2762	4815 CABOT ST	55	86,479	39.226	CLASSIC	260	$200.00	$200.00	
2763	4815 CABOT ST	55	86,440	39.209	CLASSIC	260	$200.00	$200.00	
2764	4815 CABOT ST	55	86,634	39.297	CLASSIC	260	$200.00	$200.00	
2765	4815 CABOT ST	58	87,399	39.644	CLASSIC	260	$200.00	$200.00	
2766	4815 CABOT ST	56	86,996	39.461	CLASSIC	260	$200.00	$200.00	
2767	4815 CABOT ST	56	87,956	39.896	CLASSIC	260	$200.00	$200.00	
2768	4815 CABOT ST	55	86,476	39.225	CLASSIC	260	$200.00	$200.00	
2769	20495 PENNSYLVANIA	59	87,364	39.628	CLASSIC	260	$200.00	$200.00	
2770	20495 PENNSYLVANIA	58	87,878	39.861	CLASSIC	260	$200.00	$200.00	
2771	20495 PENNSYLVANIA	59	86,765	39.356	CLASSIC	260	$200.00	$200.00	
2772	20495 PENNSYLVANIA	58	86,924	39.428	CLASSIC	260	$200.00	$200.00	
2773	20495 PENNSYLVANIA	60	87,015	39.469	CLASSIC	260	$200.00	$200.00	
2774	36555 ECORSE	57	87,225	39.565	CLASSIC	260	$200.00	$200.00	
2775	36555 ECORSE	56	87,485	39.683	CLASSIC	260	$200.00	$200.00	
2776	36555 ECORSE	55	87,054	39.487	CLASSIC	260	$200.00	$200.00	
2777	36555 ECORSE	55	87,808	39.829	CLASSIC	260	$200.00	$200.00	
2778	36555 ECORSE	55	87,362	39.627	CLASSIC	260	$200.00	$200.00	
2779	50703 E RUSSELL	55	87,592	39.731	ALGER	005187-01	$225.00	$225.00	
2780	50703 E RUSSELL	55	87,352	39.622	CHAMPION	005188-01	$225.00	$225.00	
2781	50703 E RUSSELL	55	87,357	39.625	ALGER	005190-01	$225.00	$225.00	
2782	50703 E RUSSELL	55	87,337	39.615	CHAMPION	005191-01	$225.00	$225.00	
2783	50703 E RUSSELL	55	87,313	39.605	ALGER	005193-01	$225.00	$225.00	
2784	50703 E RUSSELL	55	87,367	39.629	CHAMPION	005195-01	$225.00	$225.00	
2785	50703 E RUSSELL	55	87,252	39.577	ALGER	005196-01	$225.00	$225.00	
2786	50703 E RUSSELL	55	87,381	39.635	CHAMPION	005197-01	$225.00	$225.00	
2787	50703 E RUSSELL	55	87,552	39.713	CHAMPION	005198-01	$225.00	$225.00	
2788	50703 E RUSSELL	55	87,183	39.546	ALGER	005199-01	$225.00	$225.00	
2789	50703 E RUSSELL	55	87,315	39.605	CHAMPION	005200-01	$225.00	$225.00	
2790	1200 E. MCNICHOLS AVE.	55	86,803	39.373	CHAMPION	005324-01	$225.00	$225.00	

	A	B	C	D	E	F	G
2791	BAR5325	108/2140A	18-Dec-13	8650 Mt. Elliott	ABCQ	TBAR	18-Dec-13
2792	BAR5326	108/2140A	18-Dec-13	8650 Mt. Elliott	ABCQ	TBAR	18-Dec-13
2793	BAR5327	108/2140A	18-Dec-13	8650 Mt. Elliott	ABCQ	TBAR	18-Dec-13
2794	BAR5328	108/2140A	18-Dec-13	8650 Mt. Elliott	ABCQ	TBAR	18-Dec-13
2795	BAR5329	108/2140A	18-Dec-13	8650 Mt. Elliott	ABCQ	TBAR	18-Dec-13
2796	BAR5189	413/2137A	18-Dec-13	151 LAFAYETTE	ABCQ	TBAR	18-Dec-13
2797	BAR5192	413/2137A	18-Dec-13	151 LAFAYETTE	ABCQ	TBAR	18-Dec-13
2798	BAR5194	9934/2144	18-Dec-13	151 LAFAYETTE	ABCQ	TBAR	18-Dec-13
2799	BAR5201	413/2137A	18-Dec-13	151 LAFAYETTE	ABCQ	TBAR	18-Dec-13
2800	BAR5790	11091/11091A	18-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	18-Dec-13
2801	BAR5785	11091/11091A	18-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	18-Dec-13
2802	BAR5779	11091/11091A	18-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	18-Dec-13
2803	BAR5781	91/91A	18-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	18-Dec-13
2804	BAR5786	91/91A	18-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	18-Dec-13
2805	BAR5789	92/92A	18-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	18-Dec-13
2806	BAR5782	357/8014	18-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	18-Dec-13
2807	BAR5787	357/8014	18-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	18-Dec-13
2808	BAR5791	357/8014	18-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	18-Dec-13
2809	BAR5780	007/007A	18-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	18-Dec-13
2810	BAR5784	007/077A	18-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	18-Dec-13
2811	BAR5777	670/670A	18-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	18-Dec-13
2812	BAR5778	92/92A	18-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	18-Dec-13
2813	BAR5783	92/92A	18-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	18-Dec-13
2814	BAR5788	92/92A	18-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	18-Dec-13
2815	BAR5500	437/502	18-Dec-13	2599 22ND ST	ABCQ	TBAR	18-Dec-13
2816	BAR5501	095/17A	18-Dec-13	2599 22ND ST	ABCQ	TBAR	18-Dec-13
2817	BAR5502	437/502	18-Dec-13	2599 22ND ST	ABCQ	TBAR	18-Dec-13
2818	BAR5498	437/502	18-Dec-13	2599 22ND ST	ABCQ	TBAR	18-Dec-13
2819	BAR5499	095/17A	18-Dec-13	2599 22ND ST	ABCQ	TBAR	18-Dec-13
2820	BAR5423	33	19-Dec-13	6490 LYNCH	ABCQ	TBAR	19-Dec-13
2821	BAR5424	437	19-Dec-13	6490 LYNCH	ABCQ	TBAR	19-Dec-13
2822	BAR5425	L20	19-Dec-13	6490 LYNCH	ABCQ	TBAR	19-Dec-13
2823	BAR5426	33	19-Dec-13	6490 LYNCH	ABCQ	TBAR	19-Dec-13
2824	BAR5427	437	19-Dec-13	6490 LYNCH	ABCQ	TBAR	19-Dec-13
2825	BAR5428	6	19-Dec-13	6490 LYNCH	ABCQ	TBAR	19-Dec-13
2826	BAR5429	437	19-Dec-13	6490 LYNCH	ABCQ	TBAR	19-Dec-13
2827	BAR5430	33	19-Dec-13	6490 LYNCH	ABCQ	TBAR	19-Dec-13
2828	BAR5431	L20	19-Dec-13	6490 LYNCH	ABCQ	TBAR	19-Dec-13
2829	BAR5432	L20	19-Dec-13	6490 LYNCH	ABCQ	TBAR	19-Dec-13
2830	BAR5662	5428	19-Dec-13	17423 WEST JEFFERSON	ABCQ	TBAR	19-Dec-13
2831	BAR5663	5428	19-Dec-13	17423 WEST JEFFERSON	ABCQ	TBAR	19-Dec-13
2832	BAR5664	508	19-Dec-13	17423 WEST JEFFERSON	ABCQ	TBAR	19-Dec-13
2833	BAR5665	5428	19-Dec-13	17423 WEST JEFFERSON	ABCQ	TBAR	19-Dec-13
2834	BAR5666	808	19-Dec-13	17423 WEST JEFFERSON	ABCQ	TBAR	19-Dec-13
2835	BAR5300	35A	19-Dec-13	12850 E. NINE MILE RD.	ABCQ	TBAR	19-Dec-13

	H	I	J	K	L	M	N	O	P
2791	1200 E. MCNICHOLS AVE.	55	86,931	39.431	CHAMPION	005325-01	$225.00	$225.00	
2792	1200 E. MCNICHOLS AVE.	55	86,835	39.388	CHAMPION	005326-01	$225.00	$225.00	
2793	1200 E. MCNICHOLS AVE.	55	86,526	39.248	CHAMPION	005327-01	$225.00	$225.00	
2794	1200 E. MCNICHOLS AVE.	55	86,498	39.235	CHAMPION	005328-01	$225.00	$225.00	
2795	1200 E. MCNICHOLS AVE.	55	86,536	39.252	CHAMPION	005329-01	$225.00	$225.00	
2796	50703 E RUSSELL	55	87,431	39.658	CHAMPION	051891-01	$225.00	$225.00	
2797	50703 E RUSSELL	55	87,381	39.635	CHAMPION	051921-01	$225.00	$225.00	
2798	50703 E RUSSELL	55	87,408	39.648	CHAMPION	051941-01	$225.00	$225.00	
2799	50703 E RUSSELL	56	87,804	39.827	CHAMPION	052011-01	$225.00	$225.00	
2800	36555 ECORSE	55	87,011	39.468	JP GRAHAM	18429	$270.00	$270.00	
2801	36555 ECORSE	55	87,207	39.556	JP GRAHAM	18430	$270.00	$270.00	
2802	36555 ECORSE	55	87,219	39.562	JP GRAHAM	18431	$270.00	$270.00	
2803	36555 ECORSE	55	86,812	39.377	JP GRAHAM	19101	$270.00	$270.00	
2804	36555 ECORSE	56	86,961	39.445	JP GRAHAM	19102.01	$270.00	$270.00	
2805	36555 ECORSE	56	87,919	39.879	JP GRAHAM	19103	$270.00	$270.00	
2806	36555 ECORSE	55	86,879	39.408	JP GRAHAM	19164	$270.00	$270.00	
2807	36555 ECORSE	57	87,536	39.706	JP GRAHAM	19166	$270.00	$270.00	
2808	36555 ECORSE	56	87,571	39.722	JP GRAHAM	19168	$270.00	$270.00	
2809	36555 ECORSE	55	86,706	39.329	JP GRAHAM	19200	$270.00	$270.00	
2810	36555 ECORSE	55	87,262	39.581	JP GRAHAM	19202	$270.00	$270.00	
2811	36555 ECORSE	55	87,147	39.529	JP GRAHAM	19246	$270.00	$270.00	
2812	36555 ECORSE	55	86,935	39.433	JP GRAHAM	19272	$270.00	$270.00	
2813	36555 ECORSE	55	86,644	39.301	JP GRAHAM	19274	$270.00	$270.00	
2814	36555 ECORSE	55	86,937	39.434	JP GRAHAM	19277	$270.00	$270.00	
2815	3801 W. JEFFERSON	58	87,060	39.490	CLASSIC	260	$275.00	$272.00	
2816	3801 W. JEFFERSON	55	87,035	39.478	CLASSIC	260	$275.00	$272.00	
2817	3801 W. JEFFERSON	55	86,742	39.346	CLASSIC	260	$275.00	$272.00	
2818	3801 W. JEFFERSON	55	87,158	39.534	CLASSIC	260	$275.00	$275.00	
2819	3801 W. JEFFERSON	55	87,795	39.823	CLASSIC	260	$275.00	$275.00	
2820	4815 CABOT ST	55	86,491	39.232	CLASSIC	260	$200.00	$200.00	
2821	4815 CABOT ST	55	86,589	39.276	CLASSIC	260	$200.00	$200.00	
2822	4815 CABOT ST	56	87,883	39.863	CLASSIC	260	$200.00	$200.00	
2823	4815 CABOT ST	55	86,503	39.237	CLASSIC	260	$200.00	$200.00	
2824	4815 CABOT ST	55	86,483	39.228	CLASSIC	260	$200.00	$200.00	
2825	4815 CABOT ST	56	87,631	39.749	CLASSIC	260	$200.00	$200.00	
2826	4815 CABOT ST	55	86,426	39.202	CLASSIC	260	$200.00	$200.00	
2827	4815 CABOT ST	55	86,465	39.220	CLASSIC	260	$200.00	$200.00	
2828	4815 CABOT ST	56	87,803	39.827	CLASSIC	260	$200.00	$200.00	
2829	4815 CABOT ST	56	86,584	39.274	CLASSIC	260	$200.00	$200.00	
2830	20495 PENNSYLVANIA	61	87,529	39.703	CLASSIC	260	$200.00	$200.00	
2831	20495 PENNSYLVANIA	60	87,155	39.533	CLASSIC	260	$200.00	$200.00	
2832	20495 PENNSYLVANIA	60	87,807	39.829	CLASSIC	260	$200.00	$200.00	
2833	20495 PENNSYLVANIA	58	87,255	39.578	CLASSIC	260	$200.00	$200.00	
2834	20495 PENNSYLVANIA	55	86,475	39.224	CLASSIC	260	$200.00	$200.00	
2835	13542 Helen	56	87,991	39.912	CHAMPION	005300-01	$215.00	$215.00	

	A	B	C	D	E	F	G
2836	BAR5301	2144	19-Dec-13	12850 E. NINE MILE RD.	ABCQ	TBAR	19-Dec-13
2837	BAR5302	35A	19-Dec-13	12850 E. NINE MILE RD.	ABCQ	TBAR	19-Dec-13
2838	BAR5303	17A	19-Dec-13	12850 E. NINE MILE RD.	ABCQ	TBAR	19-Dec-13
2839	BAR5304	2137A	19-Dec-13	12850 E. NINE MILE RD.	ABCQ	TBAR	19-Dec-13
2840	BAR5305	2150A	19-Dec-13	12850 E. NINE MILE RD.	ABCQ	TBAR	19-Dec-13
2841	BAR5306LTL	35A	19-Dec-13	12850 E. NINE MILE RD.	ABCQ	TBAR	19-Dec-13
2842	BAR5202	095/17A	19-Dec-13	151 LAFAYETTE	ABCQ	TBAR	19-Dec-13
2843	BAR5203	9934/2144	19-Dec-13	151 LAFAYETTE	ABCQ	TBAR	19-Dec-13
2844	BAR5204	413/2137A	19-Dec-13	151 LAFAYETTE	ABCQ	TBAR	19-Dec-13
2845	BAR5205	111/2150A	19-Dec-13	151 LAFAYETTE	ABCQ	TBAR	19-Dec-13
2846	BAR5206	095/17A	19-Dec-13	151 LAFAYETTE	ABCQ	TBAR	19-Dec-13
2847	BAR5207	9934/2144	19-Dec-13	151 LAFAYETTE	ABCQ	TBAR	19-Dec-13
2848	BAR5209	111/2150A	19-Dec-13	151 LAFAYETTE	ABCQ	TBAR	19-Dec-13
2849	BAR5210	095/17A	19-Dec-13	151 LAFAYETTE	ABCQ	TBAR	19-Dec-13
2850	BAR5211	9934/2144	19-Dec-13	151 LAFAYETTE	ABCQ	TBAR	19-Dec-13
2851	BAR5212	413-2137A	19-Dec-13	151 LAFAYETTE	ABCQ	TBAR	19-Dec-13
2852	BAR5213	111/2150A	19-Dec-13	151 LAFAYETTE	ABCQ	TBAR	19-Dec-13
2853	BAR5214	095/17A	19-Dec-13	151 LAFAYETTE	ABCQ	TBAR	19-Dec-13
2854	BAR5215	4138/2137A	19-Dec-13	151 LAFAYETTE	ABCQ	TBAR	19-Dec-13
2855	BAR5216	111/2150A	19-Dec-13	151 LAFAYETTE	ABCQ	TBAR	19-Dec-13
2856	BAR5217LTL	9934/2144	19-Dec-13	151 LAFAYETTE	ABCQ	TBAR	19-Dec-13
2857	BAR5330	108/2140-A	19-Dec-13	8650 Mt. Elliott	ABCQ	TBAR	19-Dec-13
2858	BAR5331	108/2140-A	19-Dec-13	8650 Mt. Elliott	ABCQ	TBAR	19-Dec-13
2859	BAR5332	108/2140-A	19-Dec-13	8650 Mt. Elliott	ABCQ	TBAR	19-Dec-13
2860	BAR5333	108/2140-A	19-Dec-13	8650 Mt. Elliott	ABCQ	TBAR	19-Dec-13
2861	BAR5334		19-Dec-13	8650 Mt. Elliott	ABCQ	TBAR	19-Dec-13
2862	BAR5335	108/2140-A	19-Dec-13	8650 Mt. Elliott	ABCQ	TBAR	19-Dec-13
2863	BAR5208	413/2137A	19-Dec-13	151 LAFAYETTE	ABCQ	TBAR	19-Dec-13
2864	BAR5800	11091/11091A	19-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	19-Dec-13
2865	BAR5795	11091/11091A	19-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	19-Dec-13
2866	BAR5806	11091/11091A	19-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	19-Dec-13
2867	BAR5794	91/91A	19-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	19-Dec-13
2868	BAR5799	91/91A	19-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	19-Dec-13
2869	BAR5804	91/91A	19-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	19-Dec-13
2870	BAR5796	357/8014	19-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	19-Dec-13
2871	BAR5801	357/8014	19-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	19-Dec-13
2872	BAR5805	357/8014	19-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	19-Dec-13
2873	BAR5792	007/007A	19-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	19-Dec-13
2874	BAR5797	007/007A	19-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	19-Dec-13
2875	BAR5802	007/007A	19-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	19-Dec-13
2876	BAR5798	92/92A	19-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	19-Dec-13
2877	BAR5803	92/92A	19-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	19-Dec-13
2878	BAR5793	92/92A	19-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	19-Dec-13
2879	BAR5503	093/9941 A&B	19-Dec-13	2599 22ND ST	ABCQ	TBAR	19-Dec-13
2880	BAR5504	4/808	19-Dec-13	2599 22ND ST	ABCQ	TBAR	19-Dec-13

	H	I	J	K	L	M	N	O	P
2836	13542 Helen	55	86,792	39.368	CHAMPION	005301-01	$215.00	$215.00	
2837	13542 Helen	55	87,157	39.534	FULL CIRCLE	005302-01	$215.00	$215.00	
2838	13542 Helen	55	86,671	39.313	CHAMPION	005303-01	$215.00	$215.00	
2839	13542 Helen	55	86,602	39.282	FULL CIRCLE	005304-01	$215.00	$215.00	
2840	13542 Helen	55	86,506	39.239	L&R TRUCKING	005305-01	$215.00	$215.00	
2841	13542 Helen	19	29,973	13.596	CHAMPION	005306-01	$215.00	$215.00	
2842	50703 E RUSSELL	61	87,802	39.826	L&R TRUCKING	005202-01	$225.00	$225.00	
2843	50703 E RUSSELL	57	87,045	39.483	CHAMPION	005203-01	$225.00	$225.00	
2844	50703 E RUSSELL	57	86,814	39.378	CHAMPION	005204-01	$225.00	$225.00	
2845	50703 E RUSSELL	57	87,336	39.615	CHAMPION	005205-01	$225.00	$225.00	
2846	50703 E RUSSELL	57	87,430	39.658	L&R TRUCKING	005206-01	$225.00	$225.00	
2847	50703 E RUSSELL	55	86,650	39.304	CHAMPION	005207-01	$225.00	$225.00	
2848	50703 E RUSSELL	55	87,101	39.508	CHAMPION	005209-01	$225.00	$225.00	
2849	50703 E RUSSELL	55	86,987	39.457	L&R TRUCKING	005210-01	$225.00	$225.00	
2850	50703 E RUSSELL	56	87,999	39.916	CHAMPION	005211-01	$225.00	$225.00	
2851	50703 E RUSSELL	55	86,751	39.350	CHAMPION	005212-01	$225.00	$225.00	
2852	50703 E RUSSELL	56	87,045	39.483	CHAMPION	005213-01	$225.00	$225.00	
2853	50703 E RUSSELL	58	87,212	39.559	L&R TRUCKING	005214-01	$225.00	$225.00	
2854	50703 E RUSSELL	55	86,869	39.403	CHAMPION	005215-01	$225.00	$225.00	
2855	50703 E RUSSELL	55	87,011	39.468	CHAMPION	005216-01	$225.00	$225.00	
2856	50703 E RUSSELL	4	6,257	2.838	CHAMPION	005217-01	$225.00	$225.00	
2857	1200 E. MCNICHOLS AVE.	55	86,737	39.343	CHAMPION	005330-01	$225.00	$225.00	
2858	1200 E. MCNICHOLS AVE.	55	86,485	39.229	FULL CIRCLE	005331-01	$225.00	$225.00	
2859	1200 E. MCNICHOLS AVE.	55	86,493	39.233	CHAMPION	005332-01	$225.00	$225.00	
2860	1200 E. MCNICHOLS AVE.	55	86,501	39.236	CHAMPION	005333-01	$225.00	$225.00	
2861	1200 E. MCNICHOLS AVE.	55	86,864	39.401	CHAMPION	005334-01	$225.00	$225.00	
2862	1200 E. MCNICHOLS AVE.	56	87,958	39.897	CHAMPION	005335-01	$225.00	$225.00	
2863	50703 E RUSSELL	55	86,897	39.416	CHAMPION	052081-01	$225.00	$225.00	
2864	36555 ECORSE	55	87,153	39.532	JP GRAHAM	18539	$270.00	$270.00	
2865	36555 ECORSE	55	86,818	39.380	JP GRAHAM	18540	$270.00	$270.00	
2866	36555 ECORSE	55	86,961	39.445	JP GRAHAM	18542	$270.00	$270.00	
2867	36555 ECORSE	57	86,448	39.212	JP GRAHAM	19111	$270.00	$270.00	
2868	36555 ECORSE	55	87,023	39.473	JP GRAHAM	19112	$270.00	$270.00	
2869	36555 ECORSE	55	86,925	39.429	JP GRAHAM	19113	$270.00	$270.00	
2870	36555 ECORSE	55	86,916	39.424	JP GRAHAM	19169	$270.00	$270.00	
2871	36555 ECORSE	56	87,467	39.674	JP GRAHAM	19171	$270.00	$270.00	
2872	36555 ECORSE	55	86,872	39.405	JP GRAHAM	19174	$270.00	$270.00	
2873	36555 ECORSE	56	87,863	39.854	JP GRAHAM	19203	$270.00	$270.00	
2874	36555 ECORSE	58	87,613	39.741	JP GRAHAM	19220	$270.00	$270.00	
2875	36555 ECORSE	58	87,719	39.789	JP GRAHAM	19221	$270.00	$270.00	
2876	36555 ECORSE	56	87,811	39.830	JP GRAHAM	19262	$270.00	$270.00	
2877	36555 ECORSE	55	87,046	39.483	JP GRAHAM	19263	$270.00	$270.00	
2878	36555 ECORSE	55	87,082	39.500	JP GRAHAM	19279.01	$270.00	$270.00	
2879	3801 W. JEFFERSON	55	87,339	39.616	CLASSIC	260	$275.00	$275.00	
2880	3801 W. JEFFERSON	55	87,024	39.473	CLASSIC	260	$275.00	$275.00	

	A	B	C	D	E	F	G
2881	BAR5505	520/2112 A&B	19-Dec-13	2599 22ND ST	ABCQ	TBAR	19-Dec-13
2882	BAR5506	093/0741 A&B	19-Dec-13	2599 22ND ST	ABCQ	TBAR	19-Dec-13
2883	BAR5507	2112 A&B	19-Dec-13	2599 22ND ST	ABCQ	TBAR	19-Dec-13
2884	BAR5433	437	20-Dec-13	6490 LYNCH	ABCQ	TBAR	20-Dec-13
2885	BAR5434	520/2112	20-Dec-13	6490 LYNCH	ABCQ	TBAR	20-Dec-13
2886	BAR5435	6	20-Dec-13	6490 LYNCH	ABCQ	TBAR	20-Dec-13
2887	BAR5436	520	20-Dec-13	6490 LYNCH	ABCQ	TBAR	20-Dec-13
2888	BAR5437	6	20-Dec-13	6490 LYNCH	ABCQ	TBAR	20-Dec-13
2889	BAR5438	520	20-Dec-13	6490 LYNCH	ABCQ	TBAR	20-Dec-13
2890	BAR5439	6	20-Dec-13	6490 LYNCH	ABCQ	TBAR	20-Dec-13
2891	BAR5440	437	20-Dec-13	6490 LYNCH	ABCQ	TBAR	20-Dec-13
2892	BAR5441		20-Dec-13	6490 LYNCH	ABCQ	TBAR	20-Dec-13
2893	BAR5442	520	20-Dec-13	6490 LYNCH	ABCQ	TBAR	20-Dec-13
2894	BAR5667	808	20-Dec-13	17423 WEST JEFFERSON	ABCQ	TBAR	19-Dec-13
2895	BAR5668	5428	20-Dec-13	17423 WEST JEFFERSON	ABCQ	TBAR	19-Dec-13
2896	BAR5669	808	20-Dec-13	17423 WEST JEFFERSON	ABCQ	TBAR	19-Dec-13
2897	BAR5903	33/611A 611B	20-Dec-13	1725 CICOTTE	ABCQ	TBAR	20-Dec-13
2898	BAR5904	33/611A 611B	20-Dec-13	1725 CICOTTE	ABCQ	TBAR	20-Dec-13
2899	BAR5905	33/611A 611B	20-Dec-13	1725 CICOTTE	ABCQ	TBAR	20-Dec-13
2900	BAR5906		20-Dec-13	1725 CICOTTE	ABCQ	TBAR	20-Dec-13
2901	BAR5907	194/608	20-Dec-13	1725 CICOTTE	ABCQ	TBAR	20-Dec-13
2902	BAR5908	33/611A 611B	20-Dec-13	1725 CICOTTE	ABCQ	TBAR	20-Dec-13
2903	BAR5909	093/9941	20-Dec-13	1725 CICOTTE	ABCQ	TBAR	20-Dec-13
2904	BAR5336	095/17-A	20-Dec-13	8650 Mt. Elliott	ABCQ	TBAR	20-Dec-13
2905	BAR5337	095/17-A	20-Dec-13	8650 Mt. Elliott	ABCQ	TBAR	20-Dec-13
2906	BAR5338	095/17-A	20-Dec-13	8650 Mt. Elliott	ABCQ	TBAR	20-Dec-13
2907	BAR5339	095/17-A	20-Dec-13	8650 Mt. Elliott	ABCQ	TBAR	20-Dec-13
2908	BAR5340	095/17-A	20-Dec-13	8650 Mt. Elliott	ABCQ	TBAR	20-Dec-13
2909	BAR5341	095/17-A	20-Dec-13	8650 Mt. Elliott	ABCQ	TBAR	20-Dec-13
2910	BAR5218	3140/2133A	20-Dec-13	151 LAFAYETTE	ABCQ	TBAR	20-Dec-13
2911	BAR5219	9934/2144	20-Dec-13	151 LAFAYETTE	ABCQ	TBAR	20-Dec-13
2912	BAR5223	3140/2133A	20-Dec-13	152 LAFAYETTE	ABCQ	TBAR	20-Dec-13
2913	BAR5224	9934/2144	20-Dec-13	151 LAFAYETTE	ABCQ	TBAR	20-Dec-13
2914	BAR5226	111/2150A	20-Dec-13	151 LAFAYETTE	ABCQ	TBAR	20-Dec-13
2915	BAR5227	413/2137A	20-Dec-13	151 LAFAYETTE	ABCQ	TBAR	20-Dec-13
2916	BAR5228	3140/2133A	20-Dec-13	151 LAFAYETTE	ABCQ	TBAR	20-Dec-13
2917	BAR5230	111/2150A	20-Dec-13	151 LAFAYETTE	ABCQ	TBAR	20-Dec-13
2918	BAR5231	413/2137A	20-Dec-13	151 LAFAYETTE	ABCQ	TBAR	20-Dec-13
2919	BAR5232	3140/2133A	20-Dec-13	151 LAFAYETTE	ABCQ	TBAR	20-Dec-13
2920	BAR5220	111/2150A	20-Dec-13	151 LAFAYETTE	ABCQ	TBAR	20-Dec-13
2921	BAR5221	413/2137A	20-Dec-13	151 LAFAYETTE	ABCQ	TBAR	20-Dec-13
2922	BAR5222	108/2148A	20-Dec-13	151 LAFAYETTE	ABCQ	TBAR	20-Dec-13
2923	BAR5225	2133/2142A	20-Dec-13	151 LAFAYETTE	ABCQ	TBAR	20-Dec-13
2924	BAR5229	9934/2144	20-Dec-13	151 LAFAYETTE	ABCQ	TBAR	20-Dec-13
2925	BAR5813	11091/11091A	20-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	20-Dec-13

	H	I	J	K	L	M	N	O	P
2881	3801 W. JEFFERSON	55	87,232	39.568	CLASSIC	260	$275.00	$275.00	
2882	3801 W. JEFFERSON	55	87,522	39.699	CLASSIC	260	$275.00	$275.00	
2883	3801 W. JEFFERSON	55	87,205	39.556	CLASSIC	260	$275.00	$275.00	
2884	4815 CABOT ST	58	87,942	39.890	CLASSIC	260	$200.00	$200.00	
2885	4815 CABOT ST	56	87,937	39.888	CLASSIC	260	$200.00	$200.00	
2886	4815 CABOT ST	55	86,547	39.257	CLASSIC	260	$200.00	$200.00	
2887	4815 CABOT ST	56	87,912	39.876	CLASSIC	260	$200.00	$200.00	
2888	4815 CABOT ST	55	86,436	39.207	CLASSIC	260	$200.00	$200.00	
2889	4815 CABOT ST	55	86,584	39.274	CLASSIC	260	$200.00	$200.00	
2890	4815 CABOT ST	55	86,469	39.222	CLASSIC	260	$200.00	$200.00	
2891	4815 CABOT ST	56	87,729	39.793	CLASSIC	260	$200.00	$200.00	
2892	4815 CABOT ST	55	86,563	39.264	CLASSIC	260	$200.00	$200.00	
2893	4815 CABOT ST	56	87,573	39.722	CLASSIC	260	$200.00	$200.00	
2894	20495 PENNSYLVANIA	55	87,101	39.508	CLASSIC	260	$200.00	$200.00	
2895	20495 PENNSYLVANIA	55	87,369	39.630	CLASSIC	260	$200.00	$200.00	
2896	20495 PENNSYLVANIA	55	87,309	39.603	CLASSIC	260	$200.00	$200.00	
2897	36555 ECORSE	55	86,862	39.400	CLASSIC	260	$200.00	$200.00	
2898	36555 ECORSE	55	87,406	39.647	CLASSIC	260	$200.00	$200.00	
2899	36555 ECORSE	55	86,652	39.305	CLASSIC	260	$200.00	$200.00	
2900	36555 ECORSE	55	87,212	39.559	CLASSIC	260	$200.00	$200.00	
2901	36555 ECORSE	55	87,104	39.510	CLASSIC	260	$200.00	$200.00	
2902	36555 ECORSE	56	87,375	39.633	CLASSIC	260	$200.00	$200.00	
2903	36555 ECORSE	57	87,991	39.912	CLASSIC	260	$200.00	$200.00	
2904	1200 E. MCNICHOLS AVE.	55	86,761	39.354	CHEFS	005336-01	$225.00	$225.00	
2905	1200 E. MCNICHOLS AVE.	55	86,443	39.210	CHEFS	005337-01	$225.00	$225.00	
2906	1200 E. MCNICHOLS AVE.	59	86,774	39.360	L&R TRUCKING	005338-01	$225.00	$225.00	
2907	1200 E. MCNICHOLS AVE.	58	87,958	39.897	L&R TRUCKING	005339-01	$225.00	$225.00	
2908	1200 E. MCNICHOLS AVE.	55	86,737	39.343	L&R TRUCKING	005340-01	$225.00	$225.00	
2909	1200 E. MCNICHOLS AVE.	51	80,788	36.645	L&R TRUCKING	005341-01	$225.00	$225.00	
2910	12850 NINE MILE	51	80,479	36.505	CHEFS	005218-01	$235.00	$235.00	
2911	12850 NINE MILE	55	87,158	39.534	CHAMPION	005219-01	$235.00	$235.00	
2912	12850 NINE MILE	55	87,378	39.634	CHEFS	005223-01	$235.00	$235.00	
2913	12850 NINE MILE	55	87,016	39.470	CHAMPION	005224-01	$235.00	$235.00	
2914	12850 NINE MILE	57	87,177	39.543	CHAMPION	005226-01	$235.00	$235.00	
2915	12850 NINE MILE	55	86,478	39.226	CHAMPION	005227-01	$235.00	$235.00	
2916	12850 NINE MILE	55	86,745	39.347	CHEFS	005228-01	$235.00	$235.00	
2917	12850 NINE MILE	55	86,473	39.224	CHAMPION	005230-01	$235.00	$235.00	
2918	12850 NINE MILE	55	86,595	39.279	CHAMPION	005231-01	$235.00	$235.00	
2919	12850 NINE MILE	56	87,559	39.716	CHEFS	005232-01	$235.00	$235.00	
2920	12850 NINE MILE	55	87,598	39.734	CHAMPION	052201-01	$235.00	$235.00	
2921	12850 NINE MILE	55	87,716	39.787	CHAMPION	052211-01	$235.00	$235.00	
2922	12850 NINE MILE	55	87,504	39.691	CHAMPION	052221-01	$235.00	$235.00	
2923	12850 NINE MILE	57	87,806	39.828	CHAMPION	052251-01	$235.00	$235.00	
2924	12850 NINE MILE	55	86,515	39.243	CHAMPION	052291-01	$235.00	$235.00	
2925	36555 ECORSE	55	86,816	39.379	JP GRAHAM	18615	$270.00	$270.00	

	A	B	C	D	E	F	G
2926	BAR5821	11091/11091A	20-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	20-Dec-13
2927	BAR5819	11091/11091A	20-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	20-Dec-13
2928	BAR5809	91/91A	20-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	20-Dec-13
2929	BAR5814	91/91A	20-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	20-Dec-13
2930	BAR5820	91/91A	20-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	20-Dec-13
2931	BAR5816	357/8014	20-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	20-Dec-13
2932	BAR5811	357/8014	20-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	20-Dec-13
2933	BAR5810	007/007A	20-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	20-Dec-13
2934	BAR5815	007/007A	20-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	20-Dec-13
2935	BAR5807	670/670A	20-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	20-Dec-13
2936	BAR5812	670/670A	20-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	20-Dec-13
2937	BAR5818	670/670A	20-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	20-Dec-13
2938	BAR5808	92/92A	20-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	20-Dec-13
2939	BAR5817	92/92A	20-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	20-Dec-13
2940	BAR5508	093/9941 A&B	20-Dec-13	2599 22ND ST	ABCQ	TBAR	19-Dec-13
2941	BAR5509	L20/0080	20-Dec-13	2599 22ND ST	ABCQ	TBAR	19-Dec-13
2942	BAR5510	023/9941 A&B	20-Dec-13	2599 22ND ST	ABCQ	TBAR	19-Dec-13
2943	BAR5511	437/502	20-Dec-13	2599 22ND ST	ABCQ	TBAR	19-Dec-13
2944	BAR5512	093/9941 A&B	20-Dec-13	2599 22ND ST	ABCQ	TBAR	19-Dec-13
2945	BAR5443	95	23-Dec-13	6490 LYNCH	ABCQ	TBAR	23-Dec-13
2946	BAR5444	437	23-Dec-13	6490 LYNCH	ABCQ	TBAR	23-Dec-13
2947	BAR5445	95	23-Dec-13	6490 LYNCH	ABCQ	TBAR	23-Dec-13
2948	BAR5446	6	23-Dec-13	6490 LYNCH	ABCQ	TBAR	23-Dec-13
2949	BAR5447	95	23-Dec-13	6490 LYNCH	ABCQ	TBAR	23-Dec-13
2950	BAR5448	437	23-Dec-13	6490 LYNCH	ABCQ	TBAR	23-Dec-13
2951	BAR5449	6	23-Dec-13	6490 LYNCH	ABCQ	TBAR	23-Dec-13
2952	BAR5450	6	23-Dec-13	6490 LYNCH	ABCQ	TBAR	23-Dec-13
2953	BAR5451	437	23-Dec-13	6490 LYNCH	ABCQ	TBAR	23-Dec-13
2954	BAR5672	5428	23-Dec-13	17423 WEST JEFFERSON	ABCQ	TBAR	23-Dec-13
2955	BAR5673LTL	5428	23-Dec-13	17423 WEST JEFFERSON	ABCQ	TBAR	23-Dec-13
2956	BAR5910	33/611A/B	23-Dec-13	1725 CICOTTE	ABCQ	TBAR	23-Dec-13
2957	BAR5911	33/611A/B	23-Dec-13	1725 CICOTTE	ABCQ	TBAR	23-Dec-13
2958	BAR5912		23-Dec-13	1725 CICOTTE	ABCQ	TBAR	23-Dec-13
2959	BAR5913	095/17A	23-Dec-13	1725 CICOTTE	ABCQ	TBAR	23-Dec-13
2960	BAR5914	33/611A/B	23-Dec-13	1725 CICOTTE	ABCQ	TBAR	23-Dec-13
2961	BAR5915	Jan-28	23-Dec-13	1725 CICOTTE	ABCQ	TBAR	23-Dec-13
2962	BAR5916	33/611A/B	23-Dec-13	1725 CICOTTE	ABCQ	TBAR	23-Dec-13
2963	BAR5937	194/808	23-Dec-13	1200 E MCNICHOLS	ABCQ	TBAR	23-Dec-13
2964	BAR5938	520/2112	23-Dec-13	1200 E MCNICHOLS	ABCQ	TBAR	23-Dec-13
2965	BAR5939	194/808	23-Dec-13	1200 E MCNICHOLS	ABCQ	TBAR	23-Dec-13
2966	BAR5940	520/2112	23-Dec-13	1200 E MCNICHOLS	ABCQ	TBAR	23-Dec-13
2967	BAR5941	520/2112	23-Dec-13	1200 E MCNICHOLS	ABCQ	TBAR	23-Dec-13
2968	BAR5942	194/808	23-Dec-13	1200 E MCNICHOLS	ABCQ	TBAR	23-Dec-13
2969	BAR5943	194/808	23-Dec-13	1200 E MCNICHOLS	ABCQ	TBAR	23-Dec-13
2970	BAR5944	520/2112	23-Dec-13	1200 E MCNICHOLS	ABCQ	TBAR	23-Dec-13

	H	I	J	K	L	M	N	O	P
2926	36555 ECORSE	55	86,654	39.306	JP GRAHAM	18616	$270.00	$270.00	
2927	36555 ECORSE	56	87,836	39.842	JP GRAHAM	18617	$270.00	$270.00	
2928	36555 ECORSE	58	87,925	39.882	JP GRAHAM	19117	$270.00	$270.00	
2929	36555 ECORSE	54	87,396	39.642	JP GRAHAM	19118	$270.00	$270.00	
2930	36555 ECORSE	55	86,632	39.296	JP GRAHAM	19119	$270.00	$270.00	
2931	36555 ECORSE	55	86,724	39.337	JP GRAHAM	19172	$270.00	$270.00	
2932	36555 ECORSE	55	86,994	39.460	JP GRAHAM	19173	$270.00	$270.00	
2933	36555 ECORSE	56	87,162	39.536	JP GRAHAM	19222	$270.00	$270.00	
2934	36555 ECORSE	58	86,873	39.405	JP GRAHAM	19223	$270.00	$270.00	
2935	36555 ECORSE	55	86,916	39.424	JP GRAHAM	19251	$270.00	$270.00	
2936	36555 ECORSE	55	86,891	39.413	JP GRAHAM	19252	$270.00	$270.00	
2937	36555 ECORSE	56	87,231	39.567	JP GRAHAM	19254	$270.00	$270.00	
2938	36555 ECORSE	55	86,523	39.246	JP GRAHAM	19264	$270.00	$270.00	
2939	36555 ECORSE	56	87,896	39.869	JP GRAHAM	19265	$270.00	$270.00	
2940	3801 W. JEFFERSON	55	86,642	39.300	CLASSIC	260	$275.00	$275.00	
2941	3801 W. JEFFERSON	55	87,176	39.542	CLASSIC	260	$275.00	$275.00	
2942	3801 W JEFFERSON	55	87,294	39.596	CLASSIC	260	$275.00	$275.00	
2943	3801 W. JEFFERSON	54	86,510	39.240	CLASSIC	260	$275.00	$275.00	
2944	3801 W. JEFFERSON	60	87,368	39.630	CLASSIC	260	$275.00	$275.00	
2945	4815 CABOT ST	56	87,851	39.849	CLASSIC	261	$200.00	$200.00	
2946	4815 CABOT ST	59	87,880	39.862	CLASSIC	261	$200.00	$200.00	
2947	4815 CABOT ST	56	87,735	39.796	CLASSIC	261	$200.00	$200.00	
2948	4815 CABOT ST	56	87,925	39.882	CLASSIC	261	$200.00	$200.00	
2949	4815 CABOT ST	55	86,548	39.258	CLASSIC	261	$200.00	$200.00	
2950	4815 CABOT ST	56	87,811	39.830	CLASSIC	261	$200.00	$200.00	
2951	4815 CABOT ST	55	86,437	39.207	CLASSIC	261	$200.00	$200.00	
2952	4815 CABOT ST	56	87,880	39.862	CLASSIC	261	$200.00	$200.00	
2953	4815 CABOT ST	55	86,547	39.257	CLASSIC	261	$200.00	$200.00	
2954	20495 PENNSYLVANIA	57	86,808	39.375	CLASSIC	261	$200.00	$200.00	
2955	20495 PENNSYLVANIA	8	12,789	5.801	CLASSIC	261	$200.00	$200.00	
2956	36555 ECORSE	56	87,686	39.774	CLASSIC	261	$200.00	$200.00	
2957	36555 ECORSE	56	87,965	39.900	CLASSIC	261	$200.00	$200.00	
2958	36555 ECORSE	55	87,657	39.761	CLASSIC	261	$200.00	$200.00	
2959	36555 ECORSE	55	87,018	39.471	CLASSIC	261	$200.00	$200.00	
2960	36555 ECORSE	55	87,566	39.719	CLASSIC	261	$200.00	$200.00	
2961	36555 ECORSE	55	86,980	39.454	CLASSIC	261	$200.00	$200.00	
2962	36555 ECORSE	55	87,574	39.723	CLASSIC	261	$200.00	$200.00	
2963	6490 LYNCH	55	87,756	39.805	CLASSIC	261	$200.00	$200.00	
2964	6490 LYNCH	55	87,691	39.776	CLASSIC	261	$200.00	$200.00	
2965	6490 LYNCH	55	87,897	39.869	CLASSIC	261	$200.00	$200.00	
2966	6490 LYNCH	55	87,560	39.717	CLASSIC	261	$200.00	$200.00	
2967	6490 LYNCH	55	87,808	39.829	CLASSIC	261	$200.00	$200.00	
2968	6490 LYNCH	55	86,999	39.462	CLASSIC	261	$200.00	$200.00	
2969	6490 LYNCH	55	86,476	39.225	CLASSIC	261	$200.00	$200.00	
2970	6490 LYNCH	54	86,508	39.239	CLASSIC	261	$200.00	$200.00	

	A	B	C	D	E	F	G
2971	BAR5342	2133/2141A	23-Dec-13	8650 MT. ELLIOTT	ABCQ	TBAR	23-Dec-13
2972	BAR5382LTL	2133/2141A	23-Dec-13	8650 MT. ELLIOTT	ABCQ	TBAR	23-Dec-13
2973	BAR5233	108/2140A	23-Dec-13	151 LAFAYETTE	ABCQ	TBAR	23-Dec-13
2974	BAR5234	9934/2144	23-Dec-13	151 LAFAYETTE	ABCQ	TBAR	23-Dec-13
2975	BAR5235	3140/2133A	23-Dec-13	151 LAFAYETTE	ABCQ	TBAR	23-Dec-13
2976	BAR5236	111/2150A	23-Dec-13	151 LAFAYETTE	ABCQ	TBAR	23-Dec-13
2977	BAR5237	413/2137A	23-Dec-13	151 LAFAYETTE	ABCQ	TBAR	23-Dec-13
2978	BAR5238	108/2140A	23-Dec-13	151 LAFAYETTE	ABCQ	TBAR	23-Dec-13
2979	BAR5239	9934/2144	23-Dec-13	151 LAFAYETTE	ABCQ	TBAR	23-Dec-13
2980	BAR5240	3140/2133A	23-Dec-13	151 LAFAYETTE	ABCQ	TBAR	23-Dec-13
2981	BAR5241	111/2150A	23-Dec-13	151 LAFAYETTE	ABCQ	TBAR	23-Dec-13
2982	BAR5242	2133/2141A	23-Dec-13	151 LAFAYETTE	ABCQ	TBAR	23-Dec-13
2983	BAR5243	413/2137A	23-Dec-13	151 LAFAYETTE	ABCQ	TBAR	23-Dec-13
2984	BAR5244	108/2140A	23-Dec-13	151 LAFAYETTE	ABCQ	TBAR	23-Dec-13
2985	BAR5245	9934/2144	23-Dec-13	151 LAFAYETTE	ABCQ	TBAR	23-Dec-13
2986	BAR5246	3140/2133A	23-Dec-13	151 LAFAYETTE	ABCQ	TBAR	23-Dec-13
2987	BAR5247	111/2150A	23-Dec-13	151 LAFAYETTE	ABCQ	TBAR	23-Dec-13
2988	BAR5248	413/2137A	23-Dec-13	151 LAFAYETTE	ABCQ	TBAR	23-Dec-13
2989	BAR5826	91/91A	23-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	23-Dec-13
2990	BAR5831	91/91A	23-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	23-Dec-13
2991	BAR5836	91/91A	23-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	23-Dec-13
2992	BAR5830	357/8014	23-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	23-Dec-13
2993	BAR5835	357/8014	23-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	23-Dec-13
2994	BAR5824	007/007A	23-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	23-Dec-13
2995	BAR5828	007/007A	23-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	23-Dec-13
2996	BAR5833	007/007A	23-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	23-Dec-13
2997	BAR5822	670/670A	23-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	23-Dec-13
2998	BAR5825	670/670A	23-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	23-Dec-13
2999	BAR5829	670/670A	23-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	23-Dec-13
3000	BAR5834	670/670A	23-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	23-Dec-13
3001	BAR5823	92/92A	23-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	23-Dec-13
3002	BAR5827	92/92A	23-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	23-Dec-13
3003	BAR5832	92/92A	23-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	23-Dec-13
3004	BAR5513	093/9941A/B	23-Dec-13	2599 22ND ST	ABCQ	TBAR	23-Dec-13
3005	BAR5514	924/0080	23-Dec-13	2599 22ND ST	ABCQ	TBAR	23-Dec-13
3006	BAR5515	093/9941A/B	23-Dec-13	2599 22ND ST	ABCQ	TBAR	23-Dec-13
3007	BAR5516	924/0080	23-Dec-13	2599 22ND ST	ABCQ	TBAR	23-Dec-13
3008	BAR5517	093/9941A/B	23-Dec-13	2599 22ND ST	ABCQ	TBAR	23-Dec-13
3009	BAR5670	5428	26-Dec-13	17423 WEST JEFFERSON	ABCQ	TBAR	19-Dec-13
3010	BAR5671	808	26-Dec-13	17423 WEST JEFFERSON	ABCQ	TBAR	19-Dec-13
3011	BAR5452	95	26-Dec-13	6490 LYNCH	ABCQ	TBAR	26-Dec-13
3012	BAR5453	437	26-Dec-13	6490 LYNCH	ABCQ	TBAR	26-Dec-13
3013	BAR5454	194	26-Dec-13	6490 LYNCH	ABCQ	TBAR	26-Dec-13
3014	BAR5455	6	26-Dec-13	6490 LYNCH	ABCQ	TBAR	26-Dec-13
3015	BAR5456	95	26-Dec-13	6490 LYNCH	ABCQ	TBAR	26-Dec-13

	H	I	J	K	L	M	N	O	P
2971	1200 E. MCNICHOLS AVE.	31	48,771	22.122	CHAMPION	005342-01	$225.00	$225.00	
2972	1200 E. MCNICHOLS AVE.	36	56,745	25.739	CHAMPION	005362-01	$225.00	$225.00	
2973	12850 E. NINE MILE RD.	56	87,933	39.886	CHAMPION	005233-01	$235.00	$235.00	
2974	12850 E. NINE MILE RD.	55	86,574	39.269	CHAMPION	005234-01	$235.00	$235.00	
2975	12850 E. NINE MILE RD.	56	86,892	39.414	CHIEFS	005235-01	$235.00	$235.00	
2976	12850 E. NINE MILE RD.	58	87,876	39.860	CHAMPION	005236-01	$235.00	$235.00	
2977	12850 E. NINE MILE RD.	55	87,216	39.561	CHAMPION	005237-01	$235.00	$235.00	
2978	12850 E. NINE MILE RD.	58	87,134	39.523	CHAMPION	005238-01	$235.00	$235.00	
2979	12850 E. NINE MILE RD.	55	87,618	39.743	CHAMPION	005239-01	$235.00	$235.00	
2980	12850 E. NINE MILE RD.	55	87,447	39.665	CHIEFS	005240-01	$235.00	$235.00	
2981	12850 E. NINE MILE RD.	55	87,815	39.832	CHAMPION	005241-01	$235.00	$235.00	
2982	12850 E. NINE MILE RD.	55	87,162	39.536	CHAMPION	005242-01	$235.00	$235.00	
2983	12850 E. NINE MILE RD.	55	86,951	39.440	CHAMPION	005243-01	$235.00	$235.00	
2984	12850 E. NINE MILE RD.	55	87,078	39.498	CHAMPION	005244-01	$235.00	$235.00	
2985	12850 E. NINE MILE RD.	55	87,051	39.486	CHAMPION	005245-01	$235.00	$235.00	
2986	12850 E. NINE MILE RD	55	86,510	39.240	CHIEFS	005246-01	$235.00	$235.00	
2987	12850 E. NINE MILE RD.	55	86,755	39.351	CHAMPION	005247-01	$235.00	$235.00	
2988	12850 E. NINE MILE RD.	55	86,385	39.184	CHAMPION	005248-01	$235.00	$235.00	
2989	36555 ECORSE	55	87,004	39.464	JP GRAHAM	19124	$270.00	$270.00	
2990	36555 ECORSE	55	86,764	39.356	JP GRAHAM	19125	$270.00	$270.00	
2991	36555 ECORSE	55	86,817	39.380	JP GRAHAM	19126	$270.00	$270.00	
2992	36555 ECORSE	56	87,956	39.896	JP GRAHAM	19145	$270.00	$270.00	
2993	36555 ECORSE	55	87,075	39.497	JP GRAHAM	19147	$270.00	$270.00	
2994	36555 ECORSE	55	87,090	39.503	JP GRAHAM	19187	$270.00	$270.00	
2995	36555 ECORSE	55	86,824	39.383	JP GRAHAM	19188	$270.00	$270.00	
2996	36555 ECORSE	57	87,088	39.502	JP GRAHAM	19189	$270.00	$270.00	
2997	36555 ECORSE	55	87,222	39.563	JP GRAHAM	19239	$270.00	$270.00	
2998	36555 ECORSE	55	87,001	39.463	JP GRAHAM	19244	$270.00	$270.00	
2999	36555 ECORSE	56	87,937	39.888	JP GRAHAM	19245	$270.00	$270.00	
3000	36555 ECORSE	56	86,537	39.253	JP GRAHAM	19249	$270.00	$270.00	
3001	36555 ECORSE	55	86,947	39.439	JP GRAHAM	19269	$270.00	$270.00	
3002	36555 ECORSE	55	86,949	39.439	JP GRAHAM	19271	$270.00	$270.00	
3003	36555 ECORSE	55	86,856	39.397	JP GRAHAM	19273	$270.00	$270.00	
3004	3801 W. JEFFERSON	62	87,877	39.860	CLASSIC	261	$275.00	$275.00	
3005	3801 W. JEFFERSON	58	87,252	39.577	CLASSIC	261	$275.00	$275.00	
3006	3801 W. JEFFERSON	62	87,461	39.672	CLASSIC	261	$275.00	$275.00	
3007	3801 W. JEFFERSON	56	87,649	39.757	CLASSIC	261	$275.00	$275.00	
3008	3801 W. JEFFERSON	55	86,484	39.229	CLASSIC	261	$275.00	$275.00	
3009	20495 PENNSYLVANIA	55	87,156	39.533	CLASSIC	260	$200.00	$200.00	
3010	20495 PENNSYLVANIA	56	87,538	39.707	CLASSIC	260	$200.00	$200.00	
3011	4815 CABOT ST	53	82,948	37.625	CLASSIC	261	$200.00	$200.00	
3012	1200 E. MCNICHOLS AVE.	56	87,895	39.869	CLASSIC	261	$200.00	$200.00	
3013	1200 E. MCNICHOLS AVE.	59	87,754	39.805	CLASSIC	261	$200.00	$200.00	
3014	1200 E. MCNICHOLS AVE.	56	87,858	39.852	CLASSIC	261	$200.00	$200.00	
3015	1200 E. MCNICHOLS AVE.	55	87,907	39.874	CLASSIC	261	$200.00	$200.00	

	A	B	C	D	E	F	G
3016	BAR5457	6	26-Dec-13	6490 LYNCH	ABCQ	TBAR	26-Dec-13
3017	BAR5458	093A/093B	26-Dec-13	6490 LYNCH	ABCQ	TBAR	26-Dec-13
3018	BAR5459	924/0	26-Dec-13	6490 LYNCH	ABCQ	TBAR	26-Dec-13
3019	BAR5460	095/17-A	26-Dec-13	6490 LYNCH	ABCQ	TBAR	26-Dec-13
3020	BAR5461	437/502	26-Dec-13	6490 LYNCH	ABCQ	TBAR	26-Dec-13
3021	BAR5462	093A/093B	26-Dec-13	6490 LYNCH	ABCQ	TBAR	26-Dec-13
3022	BAR5463	19/19B	26-Dec-13	6490 LYNCH	ABCQ	TBAR	26-Dec-13
3023	BAR5464	194/808	26-Dec-13	6490 LYNCH	ABCQ	TBAR	26-Dec-13
3024	BAR5465		26-Dec-13	6490 LYNCH	ABCQ	TBAR	26-Dec-13
3025	BAR5466		26-Dec-13	6490 LYNCH	ABCQ	TBAR	26-Dec-13
3026	BAR5917	Jan-28	26-Dec-13	1725 CICOTTE	ABCQ	TBAR	26-Dec-13
3027	BAR5918	Jan-28	26-Dec-13	1725 CICOTTE	ABCQ	TBAR	26-Dec-13
3028	BAR5945	19/19b	26-Dec-13	1200 E MCNICHOLS	ABCQ	TBAR	26-Dec-13
3029	BAR5946		26-Dec-13	1200 E MCNICHOLS	ABCQ	TBAR	26-Dec-13
3030	BAR5947	194/808	26-Dec-13	1200 E MCNICHOLS	ABCQ	TBAR	26-Dec-13
3031	BAR5948	924/6	26-Dec-13	1200 E MCNICHOLS	ABCQ	TBAR	26-Dec-13
3032	BAR5949	095/17A	26-Dec-13	1200 E MCNICHOLS	ABCQ	TBAR	26-Dec-13
3033	BAR5950	194/808	26-Dec-13	1200 E MCNICHOLS	ABCQ	TBAR	26-Dec-13
3034	BAR5951		26-Dec-13	1200 E MCNICHOLS	ABCQ	TBAR	26-Dec-13
3035	BAR5952	19/19B	26-Dec-13	1200 E MCNICHOLS	ABCQ	TBAR	26-Dec-13
3036	BAR5953	924/6	26-Dec-13	1200 E MCNICHOLS	ABCQ	TBAR	26-Dec-13
3037	BAR5954	095/17A	26-Dec-13	1200 E MCNICHOLS	ABCQ	TBAR	26-Dec-13
3038	BAR5249	108/2140A	26-Dec-13	151 LAFAYETTE	ABCQ	TBAR	26-Dec-13
3039	BAR5250	2133/2141A	26-Dec-13	151 LAFAYETTE	ABCQ	TBAR	26-Dec-13
3040	BAR5251	111/2150A	26-Dec-13	151 LAFAYETTE	ABCQ	TBAR	26-Dec-13
3041	BAR5252	634/2139	26-Dec-13	151 LAFAYETTE	ABCQ	TBAR	26-Dec-13
3042	BAR5253	711/2138	26-Dec-13	151 LAFAYETTE	ABCQ	TBAR	26-Dec-13
3043	BAR5254	111/2150A	26-Dec-13	151 LAFAYETTE	ABCQ	TBAR	26-Dec-13
3044	BAR5255	111/2150A	26-Dec-13	151 LAFAYETTE	ABCQ	TBAR	26-Dec-13
3045	BAR5256	634/2139	26-Dec-13	151 LAFAYETTE	ABCQ	TBAR	26-Dec-13
3046	BAR5257	711/2138	26-Dec-13	151 LAFAYETTE	ABCQ	TBAR	26-Dec-13
3047	BAR5258	108/2140A	26-Dec-13	151 LAFAYETTE	ABCQ	TBAR	26-Dec-13
3048	BAR5259	2133/2141A	26-Dec-13	151 LAFAYETTE	ABCQ	TBAR	26-Dec-13
3049	BAR5260	711/2138	26-Dec-13	151 LAFAYETTE	ABCQ	TBAR	26-Dec-13
3050	BAR5261	108/2140A	26-Dec-13	151 LAFAYETTE	ABCQ	TBAR	26-Dec-13
3051	BAR5262	2133/2141A	26-Dec-13	151 LAFAYETTE	ABCQ	TBAR	26-Dec-13
3052	BAR5263	634/2139	26-Dec-13	151 LAFAYETTE	ABCQ	TBAR	26-Dec-13
3053	BAR5264	711/2138	26-Dec-13	151 LAFAYETTE	ABCQ	TBAR	26-Dec-13
3054	BAR5840	095/17-A	26-Dec-13	8650 MT. ELLIOTT	ABCQ	TBAR	26-Dec-13
3055	BAR5841	095/17-A	26-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	26-Dec-13
3056	BAR5846	91/91A	26-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	26-Dec-13
3057	BAR5850	91/91A	26-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	26-Dec-13
3058	BAR5849	357/8014	26-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	26-Dec-13
3059	BAR5844	657/8014	26-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	26-Dec-13
3060	BAR5839	095/17-A	26-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	26-Dec-13

	H	I	J	K	L	M	N	O	P
3016	1200 E. MCNICHOLS AVE.	58	87,885	39.864	CLASSIC	261	$200.00	$200.00	
3017	1200 E. MCNICHOLS AVE.	55	86,528	39.248	CLASSIC	261	$200.00	$200.00	
3018	1200 E. MCNICHOLS AVE.	56	87,914	39.877	CLASSIC	261	$200.00	$200.00	
3019	1200 E. MCNICHOLS AVE.	58	87,222	39.563	CLASSIC	261	$200.00	$200.00	
3020	1200 E. MCNICHOLS AVE.	56	87,271	39.586	CLASSIC	261	$200.00	$200.00	
3021	1200 E. MCNICHOLS AVE.	56	87,812	39.831	CLASSIC	261	$200.00	$200.00	
3022	1200 E. MCNICHOLS AVE.	55	86,428	39.203	CLASSIC	261	$200.00	$200.00	
3023	1200 E. MCNICHOLS AVE.	59	87,674	39.768	CLASSIC	261	$200.00	$200.00	
3024	1200 E. MCNICHOLS AVE.	55	86,482	39.228	CLASSIC	261	$200.00	$200.00	
3025	1200 E. MCNICHOLS AVE.	57	87,283	39.591	CLASSIC	261	$200.00	$200.00	
3026	36555 ECORSE	57	87,870	39.857	CLASSIC	261	$200.00	$200.00	
3027	36555 ECORSE	28	42,263	19.170	CLASSIC	261	$200.00	$200.00	
3028	6490 LYNCH	55	87,819	39.834	CLASSIC	261	$200.00	$200.00	
3029	6490 LYNCH	55	86,598	39.280	CLASSIC	261	$200.00	$200.00	
3030	6490 LYNCH	55	87,227	39.566	CLASSIC	261	$200.00	$200.00	
3031	6490 LYNCH	55	87,688	39.775	CLASSIC	261	$200.00	$200.00	
3032	6490 LYNCH	55	87,643	39.754	CLASSIC	261	$200.00	$200.00	
3033	6490 LYNCH	55	87,339	39.616	CLASSIC	261	$200.00	$200.00	
3034	6490 LYNCH	55	87,717	39.788	CLASSIC	261	$200.00	$200.00	
3035	6490 LYNCH	55	87,273	39.586	CLASSIC	261	$200.00	$200.00	
3036	6490 LYNCH	55	87,214	39.560	CLASSIC	261	$200.00	$200.00	
3037	6490 LYNCH	55	87,352	39.622	CLASSIC	261	$200.00	$200.00	
3038	12850 NINE MILE	55	87,289	39.594	CHAMPION	005249-01	$235.00	$235.00	
3039	12850 NINE MILE	55	86,814	39.378	CHAMPION	005250-01	$235.00	$235.00	
3040	12850 NINE MILE	55	86,593	39.278	CHAMPION	005251-01	$235.00	$235.00	
3041	12850 NINE MILE	55	86,718	39.335	CHAMPION	005252-01	$235.00	$235.00	
3042	12850 NINE MILE	55	87,023	39.473	ALGER	005253-01	$235.00	$235.00	
3043	12850 NINE MILE	55	86,562	39.264	CHAMPION	005254-01	$235.00	$235.00	
3044	12850 NINE MILE	55	87,282	39.590	CHAMPION	005255-01	$235.00	$235.00	
3045	12850 NINE MILE	58	86,842	39.391	ALGER	005256-01	$235.00	$235.00	
3046	12850 NINE MILE	55	87,376	39.633	ALGER	005257-01	$235.00	$235.00	
3047	12850 NINE MILE	55	87,705	39.782	CHAMPION	005258-01	$235.00	$235.00	
3048	12850 NINE MILE	55	87,528	39.702	CHAMPION	005259-01	$235.00	$235.00	
3049	12850 NINE MILE	55	87,514	39.696	ALGER	005260-01	$235.00	$235.00	
3050	12850 NINE MILE	55	87,570	39.721	CHAMPION	005261-01	$235.00	$235.00	
3051	12850 NINE MILE	55	87,235	39.569	CHAMPION	005261-01	$235.00	$235.00	
3052	12850 NINE MILE	55	87,125	39.519	CHAMPION	005263-01	$235.00	$235.00	
3053	12850 NINE MILE	55	86,780	39.363	ALGER	005264-01	$235.00	$235.00	
3054	1200 E. MCNICHOLS AVE.	55	87,205	39.556	JP GRAHAM	19153	$270.00	$270.00	
3055	36555 ECORSE	55	86,826	39.384	JP GRAHAM	19157	$270.00	$270.00	
3056	36555 ECORSE	55	86,756	39.352	JP GRAHAM	19161	$270.00	$270.00	
3057	36555 ECORSE	55	86,714	39.333	JP GRAHAM	19163	$270.00	$270.00	
3058	36555 ECORSE	55	86,551	39.259	JP GRAHAM	19175	$270.00	$270.00	
3059	36555 ECORSE	55	86,970	39.449	JP GRAHAM	19176	$270.00	$270.00	
3060	36555 ECORSE	55	87,034	39.478	JP GRAHAM	19225.01	$270.00	$270.00	

	A	B	C	D	E	F	G
3061	BAR5845	007/007A	26-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	26-Dec-13
3062	BAR5837	095/17-A	26-Dec-13	8650 MT. ELLIOTT	ABCQ	TBAR	26-Dec-13
3063	BAR5847	670/670	26-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	26-Dec-13
3064	BAR5843	670/670A	26-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	26-Dec-13
3065	BAR5838	095/17-A	26-Dec-13	8650 MT. ELLIOTT	ABCQ	TBAR	26-Dec-13
3066	BAR5848	11091/11091A	26-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	26-Dec-13
3067	BAR5842	11091/11091A	26-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	26-Dec-13
3068	BAR5851	11091/11091A	26-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	26-Dec-13
3069	BAR5518	520/2122AB	26-Dec-13	2599 22ND ST	ABCQ	TBAR	26-Dec-13
3070	BAR5519	33/611A/B	26-Dec-13	2599 22ND ST	ABCQ	TBAR	26-Dec-13
3071	BAR5520	520/2122AB	26-Dec-13	2599 22ND ST	ABCQ	TBAR	26-Dec-13
3072	BAR5521	33/611AB	26-Dec-13	2599 22ND ST	ABCQ	TBAR	26-Dec-13
3073	BAR5522	520/2122AB	26-Dec-13	2599 22ND ST	ABCQ	TBAR	26-Dec-13
3074	BAR5467	95	27-Dec-13	6490 LYNCH	ABCQ	TBAR	27-Dec-13
3075	BAR5468	6	27-Dec-13	6490 LYNCH	ABCQ	TBAR	27-Dec-13
3076	BAR5469	95	27-Dec-13	6490 LYNCH	ABCQ	TBAR	27-Dec-13
3077	BAR5470	437	27-Dec-13	6490 LYNCH	ABCQ	TBAR	27-Dec-13
3078	BAR5471	520	27-Dec-13	6490 LYNCH	ABCQ	TBAR	27-Dec-13
3079	BAR5472	33	27-Dec-13	6490 LYNCH	ABCQ	TBAR	27-Dec-13
3080	BAR5473	9941	27-Dec-13	6490 LYNCH	ABCQ	TBAR	27-Dec-13
3081	BAR5474	95	27-Dec-13	6490 LYNCH	ABCQ	TBAR	27-Dec-13
3082	BAR5475	520	27-Dec-13	6490 LYNCH	ABCQ	TBAR	27-Dec-13
3083	BAR5476	194	27-Dec-13	6490 LYNCH	ABCQ	TBAR	27-Dec-13
3084	BAR5477		27-Dec-13	6490 LYNCH	ABCQ	TBAR	27-Dec-13
3085	BAR5478	520	27-Dec-13	6490 LYNCH	ABCQ	TBAR	27-Dec-13
3086	BAR5479		27-Dec-13	6490 LYNCH	ABCQ	TBAR	27-Dec-13
3087	BAR5480		27-Dec-13	6490 LYNCH	ABCQ	TBAR	27-Dec-13
3088	BAR5481	194	27-Dec-13	6490 LYNCH	ABCQ	TBAR	27-Dec-13
3089	BAR5482	6	27-Dec-13	6490 LYNCH	ABCQ	TBAR	27-Dec-13
3090	BAR5955	194/808	27-Dec-13	1200 E MCNICHOLS	ABCQ	TBAR	27-Dec-13
3091	BAR5956	520/2112	27-Dec-13	1200 E MCNICHOLS	ABCQ	TBAR	27-Dec-13
3092	BAR5957	924/601	27-Dec-13	1200 E MCNICHOLS	ABCQ	TBAR	27-Dec-13
3093	BAR5958	19/194AB	27-Dec-13	1200 E MCNICHOLS	ABCQ	TBAR	27-Dec-13
3094	BAR5959	194/808	27-Dec-13	1200 E MCNICHOLS	ABCQ	TBAR	27-Dec-13
3095	BAR5960	520/2112	27-Dec-13	1200 E MCNICHOLS	ABCQ	TBAR	27-Dec-13
3096	BAR5961	437/502	27-Dec-13	1200 E MCNICHOLS	ABCQ	TBAR	27-Dec-13
3097	BAR5962	095/17A	27-Dec-13	1200 E MCNICHOLS	ABCQ	TBAR	27-Dec-13
3098	BAR5963	9941	27-Dec-13	1200 E MCNICHOLS	ABCQ	TBAR	27-Dec-13
3099	BAR5964		27-Dec-13	1200 E MCNICHOLS	ABCQ	TBAR	27-Dec-13
3100	BAR5997	6	27-Dec-13	6490 LYNCH	ABCQ	TBAR	27-Dec-13
3101	BAR5265	711/2138	27-Dec-13	151 LAFAYETTE	ABCQ	TBAR	27-Dec-13
3102	BAR5266	2133/2141A	27-Dec-13	151 LAFAYETTE	ABCQ	TBAR	27-Dec-13
3103	BAR5267	111/2150A	27-Dec-13	151 LAFAYETTE	ABCQ	TBAR	27-Dec-13
3104	BAR5268	3140/2133A	27-Dec-13	151 LAFAYETTE	ABCQ	TBAR	27-Dec-13
3105	BAR5269	111/2150A	27-Dec-13	151 LAFAYETTE	ABCQ	TBAR	27-Dec-13

	H	I	J	K	L	M	N	O	P
3061	36555 ECORSE	55	86,945	39.438	JP GRAHAM	19226	$270.00	$270.00	
3062	1200 E. MCNICHOLS AVE.	55	86,635	39.388	JP GRAHAM	19250	$270.00	$270.00	
3063	36555 ECORSE	55	86,998	39.462	JP GRAHAM	19253	$270.00	$270.00	
3064	36555 ECORSE	55	87,035	39.478	JP GRAHAM	19261	$270.00	$270.00	
3065	1200 E. MCNICHOLS AVE.	55	86,920	39.426	JP GRAHAM	19267	$270.00	$270.00	
3066	36555 ECORSE	55	86,933	39.432	JP GRAHAM	19492	$270.00	$270.00	
3067	36555 ECORSE	55	86,738	39.344	JP GRAHAM	19496	$270.00	$270.00	
3068	36555 ECORSE	55	87,271	39.586	JP GRAHAM	19497	$270.00	$270.00	
3069	3801 W. JEFFERSON	58	86,961	39.445	CLASSIC	261	$275.00	$275.00	
3070	3801 W. JEFFERSON	61	87,424	39.655	CLASSIC	261	$275.00	$275.00	
3071	3801 W. JEFFERSON	58	87,391	39.640	CLASSIC	261	$275.00	$275.00	
3072	3801 W. JEFFERSON	59	87,550	39.712	CLASSIC	261	$275.00	$275.00	
3073	3801 W. JEFFERSON	55	86,861	39.400	CLASSIC	261	$275.00	$275.00	
3074	1200 E. MCNICHOLS AVE.	58	86,928	39.430	CLASSIC	261	$200.00	$200.00	
3075	1200 E. MCNICHOLS AVE.	55	86,560	39.263	CLASSIC	261	$200.00	$200.00	
3076	1200 E. MCNICHOLS AVE.	55	87,356	39.624	CLASSIC	261	$200.00	$200.00	
3077	1200 E. MCNICHOLS AVE.	55	87,394	39.641	CLASSIC	261	$200.00	$200.00	
3078	1200 E. MCNICHOLS AVE.	55	87,155	39.533	CLASSIC	261	$200.00	$200.00	
3079	1200 E. MCNICHOLS AVE.	55	87,347	39.620	CLASSIC	261	$200.00	$200.00	
3080	1200 E. MCNICHOLS AVE.	55	87,129	39.521	CLASSIC	261	$200.00	$200.00	
3081	1200 E. MCNICHOLS AVE.	55	87,368	39.630	CLASSIC	261	$200.00	$200.00	
3082	1200 E. MCNICHOLS AVE.	55	87,370	39.630	CLASSIC	261	$200.00	$200.00	
3083	1200 E. MCNICHOLS AVE.	55	87,116	39.515	CLASSIC	261	$200.00	$200.00	
3084	1200 E. MCNICHOLS AVE.	55	87,249	39.576	CLASSIC	261	$200.00	$200.00	
3085	1200 E. MCNICHOLS AVE.	55	87,318	39.607	CLASSIC	261	$200.00	$200.00	
3086	1200 E. MCNICHOLS AVE.	56	87,995	39.914	CLASSIC	261	$200.00	$200.00	
3087	1200 E. MCNICHOLS AVE.	55	86,504	39.238	CLASSIC	261	$200.00	$200.00	
3088	1200 E. MCNICHOLS AVE.	56	87,977	39.906	CLASSIC	261	$200.00	$200.00	
3089	1200 E. MCNICHOLS AVE.	56	87,995	39.914	CLASSIC	261	$200.00	$200.00	
3090	6490 LYNCH	55	86,492	39.232	CLASSIC	261	$200.00	$200.00	
3091	6490 LYNCH	55	86,492	39.232	CLASSIC	261	$200.00	$200.00	
3092	6490 LYNCH	55	86,640	39.299	CLASSIC	261	$200.00	$200.00	
3093	6490 LYNCH	55	86,632	39.296	CLASSIC	261	$200.00	$200.00	
3094	6490 LYNCH	55	87,298	39.598	CLASSIC	261	$200.00	$200.00	
3095	6490 LYNCH	55	86,526	39.248	CLASSIC	261	$200.00	$200.00	
3096	6490 LYNCH	55	86,625	39.292	CLASSIC	261	$200.00	$200.00	
3097	6490 LYNCH	55	86,664	39.310	CLASSIC	261	$200.00	$200.00	
3098	6490 LYNCH	55	86,554	39.260	CLASSIC	261	$200.00	$200.00	
3099	6490 LYNCH	55	86,481	39.227	CLASSIC	261	$200.00	$200.00	
3100	1200 E MCNICHOLS	56	87,740	39.798	CLASSIC	261	$200.00	$200.00	
3101	12850 NINE MILE	55	86,659	39.308	ALGER	005265-01	$235.00	$235.00	
3102	12850 NINE MILE	56	87,000	39.463	CHAMPION	005266-01	$235.00	$235.00	
3103	12850 NINE MILE	55	86,773	39.360	ALGER	005267-01	$235.00	$235.00	
3104	12850 NINE MILE	56	87,365	39.628	ALGER	005268-01	$235.00	$235.00	
3105	12850 NINE MILE	58	87,024	39.473	ALGER	005269-01	$235.00	$235.00	

	A	B	C	D	E	F	G
3106	BAR5270	108/2140A	27-Dec-13	151 LAFAYETTE	ABCQ	TBAR	27-Dec-13
3107	BAR5279	3140/2133A	27-Dec-13	151 LAFAYETTE	ABCQ	TBAR	27-Dec-13
3108	BAR5271	711/2138	27-Dec-13	151 LAFAYETTE	ABCQ	TBAR	27-Dec-13
3109	BAR5272	2133/2141A	27-Dec-13	151 LAFAYETTE	ABCQ	TBAR	27-Dec-13
3110	BAR5273	111/2150A	27-Dec-13	151 LAFAYETTE	ABCQ	TBAR	27-Dec-13
3111	BAR5274	3140/2133A	27-Dec-13	151 LAFAYETTE	ABCQ	TBAR	27-Dec-13
3112	BAR5275	108/2140A	27-Dec-13	151 LAFAYETTE	ABCQ	TBAR	27-Dec-13
3113	BAR5276	111/2150A	27-Dec-13	151 LAFAYETTE	ABCQ	TBAR	27-Dec-13
3114	BAR5277	711/2138	27-Dec-13	151 LAFAYETTE	ABCQ	TBAR	27-Dec-13
3115	BAR5278	711/2138	27-Dec-13	151 LAFAYETTE	ABCQ	TBAR	27-Dec-13
3116	BAR5280	2133/2141A	27-Dec-13	151 LAFAYETTE	ABCQ	TBAR	27-Dec-13
3117	BAR5855	357/8014	27-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	27-Dec-13
3118	BAR5856	91/91A	27-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	27-Dec-13
3119	BAR5862	91/91A	27-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	27-Dec-13
3120	BAR5866	91/91A	27-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	27-Dec-13
3121	BAR5861	657/8014	27-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	27-Dec-13
3122	BAR5858	007/007A	27-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	27-Dec-13
3123	BAR5853	007/007A	27-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	27-Dec-13
3124	BAR5863	007/007A	27-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	27-Dec-13
3125	BAR5852	670/670A	27-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	27-Dec-13
3126	BAR5857	670/670A	27-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	27-Dec-13
3127	BAR5860	670/670A	27-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	27-Dec-13
3128	BAR5864	670/670A	27-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	27-Dec-13
3129	BAR5865	11091/11091A	27-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	27-Dec-13
3130	BAR5859	11091/11091A	27-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	27-Dec-13
3131	BAR5854	11091/11091A	27-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	27-Dec-13
3132	BAR5523	1//5428	27-Dec-13	2599 22ND ST	ABCQ	TBAR	27-Dec-13
3133	BAR5524	33/611AB	27-Dec-13	2599 22ND ST	ABCQ	TBAR	27-Dec-13
3134	BAR5525	1//5528	27-Dec-13	2599 22ND ST	ABCQ	TBAR	27-Dec-13
3135	BAR5526	33/611AB	27-Dec-13	2599 22ND ST	ABCQ	TBAR	27-Dec-13
3136	BAR5527	1//5528	27-Dec-13	2599 22ND ST	ABCQ	TBAR	27-Dec-13
3137	BAR5965	6/6B	30-Dec-13	1200 E MCNICHOLS	ABCQ	TBAR	30-Dec-13
3138	BAR5967	194/808	30-Dec-13	1200 E MCNICHOLS	ABCQ	TBAR	30-Dec-13
3139	BAR5968	520/A/B	30-Dec-13	1200 E MCNICHOLS	ABCQ	TBAR	30-Dec-13
3140	BAR5969	301/301A/B	30-Dec-13	1200 E MCNICHOLS	ABCQ	TBAR	30-Dec-13
3141	BAR5971	924/0080	30-Dec-13	1200 E MCNICHOLS	ABCQ	TBAR	30-Dec-13
3142	BAR5972	6/6B	30-Dec-13	1200 E MCNICHOLS	ABCQ	TBAR	30-Dec-13
3143	BAR5974	194/808	30-Dec-13	1200 E MCNICHOLS	ABCQ	TBAR	30-Dec-13
3144	BAR5998	095/17A	30-Dec-13	6490 LYNCH	ABCQ	TBAR	30-Dec-13
3145	BAR5999	301/A/B	30-Dec-13	6490 LYNCH	ABCQ	TBAR	30-Dec-13
3146	BAR6000	194/808	30-Dec-13	6490 LYNCH	ABCQ	TBAR	30-Dec-13
3147	BAR6001	520A/520B	30-Dec-13	6490 LYNCH	ABCQ	TBAR	30-Dec-13
3148	BAR6002	301/A/B	30-Dec-13	6490 LYNCH	ABCQ	TBAR	30-Dec-13
3149	BAR6003	301/A/B	30-Dec-13	6490 LYNCH	ABCQ	TBAR	30-Dec-13
3150	BAR6004	924/0080	30-Dec-13	6490 LYNCH	ABCQ	TBAR	30-Dec-13

	H	I	J	K	L	M	N	O	P
3106	12850 NINE MILE	55	86,994	39.460	ALGER	005270-01	$235.00	$235.00	
3107	12850 NINE MILE	55	87,417	39.652	CHIEFS	005270-01	$235.00	$235.00	
3108	12850 NINE MILE	55	87,138	39.525	CHAMPION	005271-01	$235.00	$235.00	
3109	12850 NINE MILE	55	86,935	39.433	ALGER	005272-01	$235.00	$235.00	
3110	12850 NINE MILE	55	86,791	39.368	CHAMPION	005273-01	$235.00	$235.00	
3111	12850 NINE MILE	56	86,801	39.372	CHIEFS	005274-01	$235.00	$235.00	
3112	12850 NINE MILE	54	86,943	39.437	CHAMPION	005275-01	$235.00	$235.00	
3113	12850 NINE MILE	55	86,963	39.446	CHAMPION	005276-01	$235.00	$235.00	
3114	12850 NINE MILE	56	87,662	39.763	ALGER	005277-01	$235.00	$235.00	
3115	12850 NINE MILE	55	86,770	39.358	ALGER	005278-01	$235.00	$235.00	
3116	12850 NINE MILE	58	87,576	39.724	CHAMPION	005280-01	$235.00	$235.00	
3117	36555 ECORSE	56	87,083	39.500	JP GRAHAM	19155	$270.00	$270.00	
3118	36555 ECORSE	55	86,808	39.375	JP GRAHAM	19165	$270.00	$270.00	
3119	36555 ECORSE	55	86,967	39.448	JP GRAHAM	19167	$270.00	$270.00	
3120	36555 ECORSE	55	87,211	39.558	JP GRAHAM	19170	$270.00	$270.00	
3121	36555 ECORSE	58	87,483	39.682	JP GRAHAM	19177	$270.00	$270.00	
3122	36555 ECORSE	55	86,793	39.369	JP GRAHAM	19224.01	$270.00	$270.00	
3123	36555 ECORSE	57	87,276	39.588	JP GRAHAM	19227	$270.00	$270.00	
3124	36555 ECORSE	55	87,128	39.521	JP GRAHAM	19228	$270.00	$270.00	
3125	36555 ECORSE	55	87,697	39.779	JP GRAHAM	19255	$270.00	$270.00	
3126	36555 ECORSE	55	86,749	39.349	JP GRAHAM	19256	$270.00	$270.00	
3127	36555 ECORSE	55	86,477	39.225	JP GRAHAM	19257	$270.00	$270.00	
3128	36555 ECORSE	55	87,528	39.702	JP GRAHAM	19258	$270.00	$270.00	
3129	36555 ECORSE	55	87,044	39.483	JP GRAHAM	19498	$270.00	$270.00	
3130	36555 ECORSE	55	86,993	39.459	JP GRAHAM	19499	$270.00	$270.00	
3131	36555 ECORSE	57	86,898	39.416	JP GRAHAM	19500	$270.00	$270.00	
3132	3801 W. JEFFERSON	62	87,893	39.868	CLASSIC	261	$275.00	$275.00	
3133	3801 W. JEFFERSON	62	87,839	39.843	CLASSIC	261	$275.00	$275.00	
3134	3801 W. JEFFERSON	62	87,765	39.810	CLASSIC	261	$275.00	$275.00	
3135	3801 W. JEFFERSON	56	86,656	39.307	CLASSIC	261	$275.00	$275.00	
3136	3801 W. JEFFERSON	59	86,989	39.458	CLASSIC	261	$275.00	$275.00	
3137	6490 LYNCH	56	87,934	39.886	CLASSIC	262	$200.00	$200.00	
3138	6490 LYNCH	55	86,600	39.281	CLASSIC	262	$200.00	$200.00	
3139	6490 LYNCH	55	87,855	39.850	CLASSIC	262	$200.00	$200.00	
3140	6490 LYNCH	55	87,321	39.608	CLASSIC	262	$200.00	$200.00	
3141	6490 LYNCH	55	87,763	39.809	CLASSIC	262	$200.00	$200.00	
3142	6490 LYNCH	59	87,856	39.851	CLASSIC	262	$200.00	$200.00	
3143	6490 LYNCH	60	86,640	39.299	CLASSIC	262	$200.00	$200.00	
3144	1200 E. MCNICHOLS AVE.	56	87,902	39.872	CLASSIC	262	$200.00	$200.00	
3145	1200 E. MCNICHOLS AVE.	55	86,431	39.204	CLASSIC	262	$200.00	$200.00	
3146	1200 E. MCNICHOLS AVE.	56	87,686	39.774	CLASSIC	262	$200.00	$200.00	
3147	1200 E. MCNICHOLS AVE.	58	87,847	39.847	CLASSIC	262	$200.00	$200.00	
3148	1200 E. MCNICHOLS AVE.	59	87,893	39.868	CLASSIC	262	$200.00	$200.00	
3149	1200 E. MCNICHOLS AVE.	56	87,871	39.858	CLASSIC	262	$200.00	$200.00	
3150	1200 E. MCNICHOLS AVE.	59	86,464	39.219	CLASSIC	262	$200.00	$200.00	

	A	B	C	D	E	F	G
3151	BAR6005	437/502	30-Dec-13	6490 LYNCH	ABCQ	TBAR	30-Dec-13
3152	BAR6006	095/17A	30-Dec-13	6490 LYNCH	ABCQ	TBAR	30-Dec-13
3153	BAR6007	924/0080	30-Dec-13	6490 LYNCH	ABCQ	TBAR	30-Dec-13
3154	BAR6008	6B/6A	30-Dec-13	6490 LYNCH	ABCQ	TBAR	30-Dec-13
3155	BAR6009	193/808	30-Dec-13	6490 LYNCH	ABCQ	TBAR	30-Dec-13
3156	BAR6010	095/17A	30-Dec-13	6490 LYNCH	ABCQ	TBAR	30-Dec-13
3157	BAR6011	924/0080	30-Dec-13	6490 LYNCH	ABCQ	TBAR	30-Dec-13
3158	BAR6041	6/6B	30-Dec-13	6490 LYNCH	ABCQ	TBAR	30-Dec-13
3159	BAR6042	520A/520B	30-Dec-13	6490 LYNCH	ABCQ	TBAR	30-Dec-13
3160	BAR6043LTL	6/6B	30-Dec-13	6490 LYNCH	ABCQ	TBAR	30-Dec-13
3161	BAR5966	095/17A	30-Dec-13	1200 E MCNICHOLS	ABCQ	TBAR	30-Dec-13
3162	BAR5973	095/17A	30-Dec-13	1200 E MCNICHOLS	ABCQ	TBAR	30-Dec-13
3163	BAR5970	437/502	30-Dec-13	1200 E MCNICHOLS	ABCQ	TBAR	30-Dec-13
3164	BAR5281	108/2140A	30-Dec-13	151 LAFAYETTE	ABCQ	TBAR	30-Dec-13
3165	BAR5282	111/2150A	30-Dec-13	151 LAFAYETTE	ABCQ	TBAR	30-Dec-13
3166	BAR5283	711/2138	30-Dec-13	151 LAFAYETTE	ABCQ	TBAR	30-Dec-13
3167	BAR5284	108/2140A	30-Dec-13	151 LAFAYETTE	ABCQ	TBAR	30-Dec-13
3168	BAR5285	111/2150A	30-Dec-13	151 LAFAYETTE	ABCQ	TBAR	30-Dec-13
3169	BAR5286	9934/2144	30-Dec-13	151 LAFAYETTE	ABCQ	TBAR	30-Dec-13
3170	BAR5287	9934/2144	30-Dec-13	151 LAFAYETTE	ABCQ	TBAR	30-Dec-13
3171	BAR5288	2133/2141A	30-Dec-13	151 LAFAYETTE	ABCQ	TBAR	30-Dec-13
3172	BAR5289	711/2138	30-Dec-13	151 LAFAYETTE	ABCQ	TBAR	30-Dec-13
3173	BAR5290	2133/2141A	30-Dec-13	151 LAFAYETTE	ABCQ	TBAR	30-Dec-13
3174	BAR5291	108/2140A	30-Dec-13	151 LAFAYETTE	ABCQ	TBAR	30-Dec-13
3175	BAR5292	111/2150A	30-Dec-13	151 LAFAYETTE	ABCQ	TBAR	30-Dec-13
3176	BAR5293	9934//2144	30-Dec-13	151 LAFAYETTE	ABCQ	TBAR	30-Dec-13
3177	BAR5294	711/2138	30-Dec-13	151 LAFAYETTE	ABCQ	TBAR	30-Dec-13
3178	BAR5295	2133/2141A	30-Dec-13	151 LAFAYETTE	ABCQ	TBAR	30-Dec-13
3179	BAR5296	9934/2144	30-Dec-13	151 LAFAYETTE	ABCQ	TBAR	30-Dec-13
3180	BAR5872	11091/11091A	30-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	30-Dec-13
3181	BAR5870	11091/11091A	30-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	30-Dec-13
3182	BAR5876	11091/11091A	30-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	30-Dec-13
3183	BAR5869	007/007A	30-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	30-Dec-13
3184	BAR5873	91/91A	30-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	30-Dec-13
3185	BAR5880	007/007A	30-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	30-Dec-13
3186	BAR5868	91/91A	30-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	30-Dec-13
3187	BAR5877	91/91A	30-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	30-Dec-13
3188	BAR5874	92/92A	30-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	30-Dec-13
3189	BAR5879	92/92A	30-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	30-Dec-13
3190	BAR5871	357/8014	30-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	30-Dec-13
3191	BAR5867	357/8014	30-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	30-Dec-13
3192	BAR5875	357/8014	30-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	30-Dec-13
3193	BAR5878	357/8014	30-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	30-Dec-13
3194	BAR5881	357/8014	30-Dec-13	20495 PENNSYLVANIA	ABCQ	TBAR	30-Dec-13
3195	BAR5528	Jan-48	30-Dec-13	2599 22ND ST	ABCQ	TBAR	30-Dec-13

	H	I	J	K	L	M	N	O	P
3151	1200 E. MCNICHOLS AVE.	56	87,915	39.878	CLASSIC	262	$200.00	$200.00	
3152	1200 E. MCNICHOLS AVE.	56	87,851	39.849	CLASSIC	262	$200.00	$200.00	
3153	1200 E. MCNICHOLS AVE.	56	88,077	39.951	CLASSIC	262	$200.00	$200.00	
3154	1200 E. MCNICHOLS AVE.	58	87,593	39.732	CLASSIC	262	$200.00	$200.00	
3155	1200 E. MCNICHOLS AVE.	56	87,248	39.575	CLASSIC	262	$200.00	$200.00	
3156	1200 E. MCNICHOLS AVE.	57	86,666	39.311	CLASSIC	262	$200.00	$200.00	
3157	1200 E. MCNICHOLS AVE.	59	86,989	39.458	CLASSIC	262	$200.00	$200.00	
3158	1200 E. MCNICHOLS AVE.	55	86,892	39.414	CLASSIC	262	$200.00	$200.00	
3159	1200 E. MCNICHOLS AVE.	55	86,772	39.359	CLASSIC	262	$200.00	$200.00	
3160	1200 E. MCNICHOLS AVE.	30	47,418	21.508	CLASSIC	262	$200.00	$200.00	
3161	6490 LYNCH	58	86,837	39.389	L&R	262	$200.00	$200.00	
3162	6490 LYNCH	56	87,999	39.916	L&R	262	$200.00	$200.00	
3163	6490 LYNCH	55	86,941	39.436	SELMAN	262	$200.00	$200.00	
3164	12850 E. NINE MILE RD.	55	86,772	39.359	CHAMPION	005281-01	$235.00	$235.00	
3165	12850 E. NINE MILE RD.	55	86,721	39.336	CHAMPION	005282-01	$235.00	$235.00	
3166	12850 E. NINE MILE RD.	55	86,725	39.338	ALGER	005283-01	$235.00	$235.00	
3167	12850 E. NINE MILE RD.	55	86,700	39.327	CHAMPION	005284-01	$235.00	$235.00	
3168	12850 E. NINE MILE RD.	55	87,161	39.536	CHAMPION	005285-01	$235.00	$235.00	
3169	12850 E. NINE MILE RD.	55	86,765	39.356	CHAMPION	005286-01	$235.00	$235.00	
3170	12850 E. NINE MILE RD.	55	87,436	39.660	CHAMPION	005287-01	$235.00	$235.00	
3171	12850 E. NINE MILE RD.	57	86,802	39.373	CHAMPION	005288-01	$235.00	$235.00	
3172	12850 E. NINE MILE RD.	56	86,976	39.452	ALGER	005289-01	$235.00	$235.00	
3173	12850 E. NINE MILE RD.	58	87,872	39.858	CHAMPION	005290-01	$235.00	$235.00	
3174	12850 E. NINE MILE RD.	56	87,336	39.615	CHAMPION	005291-01	$235.00	$235.00	
3175	12850 E. NINE MILE RD.	55	87,184	39.546	CHAMPION	005292-01	$235.00	$235.00	
3176	12850 E. NINE MILE RD.	56	86,742	39.346	CHAMPION	005293-01	$235.00	$235.00	
3177	12850 E. NINE MILE RD.	57	87,935	39.887	ALGER	005294-01	$235.00	$235.00	
3178	12850 E. NINE MILE RD.	55	87,269	39.585	CHAMPION	005295-01	$235.00	$235.00	
3179	12850 E. NINE MILE RD.	55	86,808	39.375	CHAMPION	005296-01	$235.00	$235.00	
3180	36555 ECORSE	56	87,185	39.546	JP GRAHAM	19541	$270.00	$270.00	
3181	36555 ECORSE	55	87,222	39.563	JP GRAHAM	19542	$270.00	$270.00	
3182	36555 ECORSE	55	87,134	39.523	JP GRAHAM	19543	$270.00	$270.00	
3183	36555 ECORSE	55	87,205	39.556	JP GRAHAM	19689	$270.00	$270.00	
3184	36555 ECORSE	55	87,288	39.593	JP GRAHAM	19691	$270.00	$270.00	
3185	36555 ECORSE	55	87,336	39.615	JP GRAHAM	19692	$270.00	$270.00	
3186	36555 ECORSE	55	86,790	39.367	JP GRAHAM	19693	$270.00	$270.00	
3187	36555 ECORSE	55	87,063	39.491	JP GRAHAM	19695	$270.00	$270.00	
3188	36555 ECORSE	58	86,623	39.292	JP GRAHAM	19698	$270.00	$270.00	
3189	36555 ECORSE	57	86,588	39.276	JP GRAHAM	19699	$270.00	$270.00	
3190	36555 ECORSE	55	87,227	39.566	JP GRAHAM	19705	$270.00	$270.00	
3191	36555 ECORSE	55	87,257	39.579	JP GRAHAM	19707	$270.00	$270.00	
3192	36555 ECORSE	55	86,846	39.393	JP GRAHAM	19708	$270.00	$270.00	
3193	36555 ECORSE	56	87,087	39.502	JP GRAHAM	19709	$270.00	$270.00	
3194	36555 ECORSE	55	87,983	39.908	JP GRAHAM	19710	$270.00	$270.00	
3195	1550 SUPERIOR PKWY	58	87,596	39.733	CLASSIC	262	$275.00	$275.00	

	A	B	C	D	E	F	G
3196	BAR5529	33/611A/B	30-Dec-13	2599 22ND ST	ABCQ	TBAR	30-Dec-13
3197	BAR5530	Jan-48	30-Dec-13	2599 22ND ST	ABCQ	TBAR	30-Dec-13
3198	BAR5531	33/611A/B	30-Dec-13	2599 22ND ST	ABCQ	TBAR	30-Dec-13
3199	BAR5532	Jan-48	30-Dec-13	2599 22ND ST	ABCQ	TBAR	30-Dec-13
3200	BAR531	33/611A/B	30-Dec-13	2599 22ND ST	ABCQ	TBAR	30-Dec-13
3201	BAR6027	17A/095	2-Jan-14	9450 BUFFALO	ABCQ	TBAR	2-Jan-14
3202	BAR5590	111	2-Jan-14	160 VISGER	ABCQ	TBAR	2-Jan-14
3203	BAR5591	111	2-Jan-14	160 VISGER	ABCQ	TBAR	2-Jan-14
3204	BAR5592	111	2-Jan-14	160 VISGER	ABCQ	TBAR	2-Jan-14
3205	BAR6044	711/2138	2-Jan-14	26090 23 MILE RD	ABCQ	TBAR	2-Jan-14
3206	BAR6045	711/2138	2-Jan-14	26090 23 MILE RD	ABCQ	TBAR	2-Jan-14
3207	BAR6046	711/2138	2-Jan-14	26090 23 MILE RD	ABCQ	TBAR	2-Jan-14
3208	BAR6047	095/17A	2-Jan-14	26090 23 MILE RD	ABCQ	TBAR	2-Jan-14
3209	BAR6048	711/2138	2-Jan-14	26090 23 MILE RD	ABCQ	TBAR	2-Jan-14
3210	BAR6049	095/17A	2-Jan-14	26090 23 MILE RD	ABCQ	TBAR	2-Jan-14
3211	BAR6050	711/2138	2-Jan-14	26090 23 MILE RD	ABCQ	TBAR	2-Jan-14
3212	BAR6051	095/17A	2-Jan-14	26090 23 MILE RD	ABCQ	TBAR	2-Jan-14
3213	BAR6052	711/2138	2-Jan-14	26090 23 MILE RD	ABCQ	TBAR	2-Jan-14
3214	BAR5297	413/2137A	2-Jan-14	151 LAFAYETTE	ABCQ	TBAR	2-Jan-14
3215	BAR5298	413/2137A	2-Jan-14	151 LAFAYETTE	ABCQ	TBAR	2-Jan-14
3216	BAR5299LTL	413/2137A	2-Jan-14	151 LAFAYETTE	ABCQ	TBAR	2-Jan-14
3217	BAR6485	11091/11091A	2-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	2-Jan-14
3218	BAR6482	11091/11091A	2-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	2-Jan-14
3219	BAR6480	11091/11091A	2-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	2-Jan-14
3220	BAR6483	92/92A	2-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	2-Jan-14
3221	BAR6481	670/670A	2-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	2-Jan-14
3222	BAR6484	670/670A	2-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	2-Jan-14
3223	BAR5975	194/808	3-Jan-14	1200 E MCNICHOLS	ABCQ	TBAR	3-Jan-14
3224	BAR5976	6/6B	3-Jan-14	1200 E MCNICHOLS	ABCQ	TBAR	3-Jan-14
3225	BAR5977	194/808	3-Jan-14	1200 E MCNICHOLS	ABCQ	TBAR	3-Jan-14
3226	BAR5978	6/6B	3-Jan-14	1200 E MCNICHOLS	ABCQ	TBAR	3-Jan-14
3227	BAR5979	194/808	3-Jan-14	1200 E MCNICHOLS	ABCQ	TBAR	3-Jan-14
3228	BAR5980	6/6B	3-Jan-14	1200 E MCNICHOLS	ABCQ	TBAR	3-Jan-14
3229	BAR6886	1/5428	3-Jan-14	6490 LYNCH	ABCQ	TBAR	3-Jan-14
3230	BAR6887	924/0080	3-Jan-14	6490 LYNCH	ABCQ	TBAR	3-Jan-14
3231	BAR6888	1/5428	3-Jan-14	6490 LYNCH	ABCQ	TBAR	3-Jan-14
3232	BAR6889	924/0080	3-Jan-14	6490 LYNCH	ABCQ	TBAR	3-Jan-14
3233	BAR6890	1/5428	3-Jan-14	6490 LYNCH	ABCQ	TBAR	3-Jan-14
3234	BAR6891	924/0080	3-Jan-14	6490 LYNCH	ABCQ	TBAR	3-Jan-14
3235	BAR6892	1/5428	3-Jan-14	6490 LYNCH	ABCQ	TBAR	3-Jan-14
3236	BAR6893	924/0080	3-Jan-14	6490 LYNCH	ABCQ	TBAR	3-Jan-14
3237	BAR6894	1/5428	3-Jan-14	6490 LYNCH	ABCQ	TBAR	3-Jan-14
3238	BAR6895	924/0080	3-Jan-14	6490 LYNCH	ABCQ	TBAR	3-Jan-14
3239	BAR5593	95	3-Jan-14	160 VISGER	ABCQ	TBAR	3-Jan-14
3240	BAR5594	95	3-Jan-14	160 VISGER	ABCQ	TBAR	3-Jan-14

	H	I	J	K	L	M	N	O	P
3196	1550 SUPERIOR PKWY	58	87,758	39.806	CLASSIC	262	$275.00	$275.00	
3197	1550 SUPERIOR PKWY	59	87,386	39.638	CLASSIC	262	$275.00	$275.00	
3198	1550 SUPERIOR PKWY	59	87,386	39.638	CLASSIC	262	$275.00	$275.00	
3199	1550 SUPERIOR PKWY	55	86,480	39.227	CLASSIC	262	$275.00	$275.00	
3200	3801 W. JEFFERSON	55	86,668	39.312	CLASSIC				
3201	13542 HELEN	36	56,688	25.713	CLASSIC	262	$200.00	$200.00	
3202	308 ANTOINE ST N	58	87,465	39.674	CHAMPION	005590-01	$215.00	$215.00	
3203	308 ANTOINE ST N	58	87,545	39.710	CHAMPION	005591-01	$215.00	$215.00	
3204	308 ANTOINE ST N	55	87,178	39.543	CHAMPION	005592-01	$215.00	$215.00	
3205	151 LAFAYETTE	57	87,525	39.701	ALGER	006044-01	$225.00	$225.00	
3206	151 LAFAYETTE	56	86,419	39.199	ALGER	006045-01	$225.00	$225.00	
3207	151 LAFAYETTE	58	87,453	39.668	ALGER	006046-01	$225.00	$225.00	
3208	151 LAFAYETTE	56	86,970	39.449	L&R	006047-01	$225.00	$225.00	
3209	151 LAFAYETTE	56	87,701	39.781	ALGER	006048-01	$225.00	$225.00	
3210	151 LAFAYETTE	55	86,475	39.224	L&R	006049-01	$225.00	$225.00	
3211	151 LAFAYETTE	55	87,071	39.495	ALGER	006050-01	$225.00	$225.00	
3212	151 LAFAYETTE	55	86,786	39.366	L&R	006051-01	$225.00	$225.00	
3213	151 LAFAYETTE	55	86,671	39.313	ALGER	006052-01	$225.00	$225.00	
3214	12850 E. NINE MILE RD.	55	86,641	39.300	CHAMPION	005297-01	$235.00	$235.00	
3215	12850 E. NINE MILE RD.	55	87,406	39.647	CHAMPION	005298-01	$235.00	$235.00	
3216	12850 E. NINE MILE RD.	22	34,871	15.817	CHAMPION	005299-01	$235.00	$235.00	
3217	36555 ECORSE	55	86,650	39.304	JP GRAHAM	19544	$270.00	$270.00	
3218	36555 ECORSE	55	87,043	39.482	JP GRAHAM	19545	$270.00	$270.00	
3219	36555 ECORSE	55	87,799	39.825	JP GRAHAM	19546	$270.00	$270.00	
3220	36555 ECORSE	56	87,963	39.899	JP GRAHAM	19696	$270.00	$270.00	
3221	36555 ECORSE	55	87,119	39.517	JP GRAHAM	19701	$270.00	$270.00	
3222	36555 ECORSE	56	87,916	39.878	JP GRAHAM	19702	$270.00	$270.00	
3223	6490 LYNCH	56	87,200	39.553	CLASSIC	262	$200.00	$200.00	
3224	6490 LYNCH	55	87,081	39.499	CLASSIC	262	$200.00	$200.00	
3225	6490 LYNCH	55	86,734	39.342	CLASSIC	262	$200.00	$200.00	
3226	6490 LYNCH	55	86,618	39.289	CLASSIC	262	$200.00	$200.00	
3227	6490 LYNCH	59	87,978	39.906	CLASSIC	262	$200.00	$200.00	
3228	6490 LYNCH	55	87,390	39.639	CLASSIC	262	$200.00	$200.00	
3229	8650 MT ELLIOTT	55	87,236	39.570	CLASSIC	262	$200.00	$200.00	
3230	8650 MT ELLIOTT	55	86,433	39.205	CLASSIC	262	$200.00	$200.00	
3231	8650 MT ELLIOTT	55	86,942	39.436	CLASSIC	262	$200.00	$200.00	
3232	8650 MT ELLIOTT	55	86,901	39.418	CLASSIC	262	$200.00	$200.00	
3233	8650 MT ELLIOTT	55	86,853	39.396	CLASSIC	262	$200.00	$200.00	
3234	8650 MT ELLIOTT	55	86,810	39.376	CLASSIC	262	$200.00	$200.00	
3235	8650 MT ELLIOTT	55	86,803	39.373	CLASSIC	262	$200.00	$200.00	
3236	8650 MT ELLIOTT	55	86,833	39.387	CLASSIC	262	$200.00	$200.00	
3237	8650 MT ELLIOTT	55	86,836	39.388	CLASSIC	262	$200.00	$200.00	
3238	8650 MT ELLIOTT	55	86,679	39.317	CLASSIC	262	$200.00	$200.00	
3239	308 ANTOINE ST N	55	87,248	39.575	L&R	005593-01	$215.00	$215.00	
3240	308 ANTOINE ST N	55	86,631	39.295	L&R	005594-01	$215.00	$215.00	

	A	B	C	D	E	F	G
3241	BAR5595	95	3-Jan-14	160 VISGER	ABCQ	TBAR	3-Jan-14
3242	BAR5596	95	3-Jan-14	160 VISGER	ABCQ	TBAR	3-Jan-14
3243	BAR6054	711/2138	3-Jan-14	26090 23 MILE RD	ABCQ	TBAR	3-Jan-14
3244	BAR6055	711/2138	3-Jan-14	26090 23 MILE RD	ABCQ	TBAR	3-Jan-14
3245	BAR6056	711/2138	3-Jan-14	26090 23 MILE RD	ABCQ	TBAR	3-Jan-14
3246	BAR6057	711/2138	3-Jan-14	26090 23 MILE RD	ABCQ	TBAR	3-Jan-14
3247	BAR6058	711/2138	3-Jan-14	26090 23 MILE RD	ABCQ	TBAR	3-Jan-14
3248	BAR6059	78/2141	3-Jan-14	26090 23 MILE RD	ABCQ	TBAR	3-Jan-14
3249	BAR6060	711/2138	3-Jan-14	26090 23 MILE RD	ABCQ	TBAR	3-Jan-14
3250	BAR6061	78/2141	3-Jan-14	26090 23 MILE RD	ABCQ	TBAR	3-Jan-14
3251	BAR6063	9934	3-Jan-14	26090 23 MILE RD	ABCQ	TBAR	3-Jan-14
3252	BAR6491	11091/11091A	3-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	3-Jan-14
3253	BAR6487	11091/11091A	3-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	3-Jan-14
3254	BAR6490	007/007A	3-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	3-Jan-14
3255	BAR6486	357/8014A	3-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	3-Jan-14
3256	BAR6489	92/92A	3-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	3-Jan-14
3257	BAR6488	670/670A	3-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	3-Jan-14
3258	BAR6492	670/670A	3-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	3-Jan-14
3259	BAR5533	093/9941A/B	3-Jan-14	2599 22ND ST	ABCQ	TBAR	3-Jan-14
3260	BAR5534	33/611A/B	3-Jan-14	2599 22ND ST	ABCQ	TBAR	3-Jan-14
3261	BAR5535	093/9941A/B	3-Jan-14	2599 22ND ST	ABCQ	TBAR	3-Jan-14
3262	BAR5536	095/17A	3-Jan-14	2599 22ND ST	ABCQ	TBAR	3-Jan-14
3263	BAR5537	437/502	3-Jan-14	2599 22ND ST	ABCQ	TBAR	3-Jan-14
3264	BAR5538	520/2112A/B	3-Jan-14	2599 22ND ST	ABCQ	TBAR	3-Jan-14
3265	BAR5981	093/9941A/B	6-Jan-14	1200 E MCNICHOLS	ABCQ	TBAR	6-Jan-14
3266	BAR5982	294/107	6-Jan-14	1200 E MCNICHOLS	ABCQ	TBAR	6-Jan-14
3267	BAR5983	194/808	6-Jan-14	1200 E MCNICHOLS	ABCQ	TBAR	6-Jan-14
3268	BAR5984		6-Jan-14	1200 E MCNICHOLS	ABCQ	TBAR	6-Jan-14
3269	BAR5985	33/611	6-Jan-14	1200 E MCNICHOLS	ABCQ	TBAR	6-Jan-14
3270	BAR5986	294/107	6-Jan-14	1200 E MCNICHOLS	ABCQ	TBAR	6-Jan-14
3271	BAR6896	6/6B	6-Jan-14	6490 LYNCH	ABCQ	TBAR	6-Jan-14
3272	BAR6897	1/5428	6-Jan-14	6490 LYNCH	ABCQ	TBAR	6-Jan-14
3273	BAR6898	33/611A/B	6-Jan-14	6490 LYNCH	ABCQ	TBAR	6-Jan-14
3274	BAR6899	6/6B	6-Jan-14	6490 LYNCH	ABCQ	TBAR	6-Jan-14
3275	BAR6900	Jan-28	6-Jan-14	6490 LYNCH	ABCQ	TBAR	6-Jan-14
3276	BAR6901	6/6B	6-Jan-14	6490 LYNCH	ABCQ	TBAR	6-Jan-14
3277	BAR6902	Jan-28	6-Jan-14	6490 LYNCH	ABCQ	TBAR	6-Jan-14
3278	BAR6903	194/808	6-Jan-14	6490 LYNCH	ABCQ	TBAR	6-Jan-14
3279	BAR6053	711/2138	6-Jan-14	26090 23 MILE RD	ABCQ	TBAR	6-Jan-14
3280	BAR6062	711/2138	6-Jan-14	26090 23 MILE RD	ABCQ	TBAR	6-Jan-14
3281	BAR6064	711/2138	6-Jan-14	26090 23 MILE RD	ABCQ	TBAR	6-Jan-14
3282	BAR6065	9934	6-Jan-14	26090 23 MILE RD	ABCQ	TBAR	6-Jan-14
3283	BAR6066	70/2138	6-Jan-14	26090 23 MILE RD	ABCQ	TBAR	6-Jan-14
3284	BAR6494	92/92A	6-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	6-Jan-14
3285	BAR6493	92/92A	6-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	6-Jan-14

	H	I	J	K	L	M	N	O	P
3241	308 ANTOINE ST N	55	87,144	39.528	L&R	005595-01	$215.00	$215.00	
3242	308 ANTOINE ST N	55	87,762	39.808	L&R	005596-01	$215.00	$215.00	
3243	151 LAFAYETTE	55	87,394	39.641	ALGER	006054-01	$225.00	$225.00	
3244	151 LAFAYETTE	55	86,768	39.357	ALGER	006055-01	$225.00	$225.00	
3245	151 LAFAYETTE	55	86,683	39.319	ALGER	006056-01	$225.00	$225.00	
3246	151 LAFAYETTE	55	87,236	39.570	ALGER	006057-01	$225.00	$225.00	
3247	151 LAFAYETTE	55	86,970	39.449	ALGER	006058-01	$225.00	$225.00	
3248	151 LAFAYETTE	55	86,729	39.340	FCT	006059-01	$225.00	$225.00	
3249	151 LAFAYETTE	56	87,836	39.842	ALGER	006060-01	$225.00	$225.00	
3250	151 LAFAYETTE	57	87,875	39.859	FCT	006061-01	$225.00	$225.00	
3251	151 LAFAYETTE	55	87,008	39.466	CHAMPION	006063-01	$225.00	$225.00	
3252	36555 ECORSE	56	86,519	39.244	JP GRAHAM	19547	$270.00	$270.00	
3253	36555 ECORSE	55	87,421	39.654	JP GRAHAM	19548	$270.00	$270.00	
3254	36555 ECORSE	56	87,167	39.538	JP GRAHAM	19694	$270.00	$270.00	
3255	36555 ECORSE	55	87,409	39.648	JP GRAHAM	19697	$270.00	$270.00	
3256	36555 ECORSE	55	87,498	39.688	JP GRAHAM	19700	$270.00	$270.00	
3257	36555 ECORSE	55	87,292	39.595	JP GRAHAM	19703	$270.00	$270.00	
3258	36555 ECORSE	55	86,725	39.338	JP GRAHAM	19704	$270.00	$270.00	
3259	1550 SUPERIOR PKWY	59	86,656	39.307	CLASSIC	262	$275.00	$275.00	
3260	1550 SUPERIOR PKWY	55	86,748	39.348	CLASSIC	262	$275.00	$275.00	
3261	1550 SUPERIOR PKWY	55	86,693	39.323	CLASSIC	262	$275.00	$275.00	
3262	1550 SUPERIOR PKWY	55	86,965	39.447	CLASSIC	262	$275.00	$275.00	
3263	1550 SUPERIOR PKWY	56	87,890	39.866	CLASSIC	262	$275.00	$275.00	
3264	1550 SUPERIOR PKWY	55	86,850	39.395	CLASSIC	262	$275.00	$275.00	
3265	6490 LYNCH	55	87,665	39.764	CLASSIC	263	$200.00	$200.00	
3266	6490 LYNCH	55	87,846	39.846	CLASSIC	263	$200.00	$200.00	
3267	6490 LYNCH	55	86,741	39.345	CLASSIC	263	$200.00	$200.00	
3268	6490 LYNCH	55	87,158	39.534	CLASSIC	263	$200.00	$200.00	
3269	6490 LYNCH	55	87,184	39.546	CLASSIC	263	$200.00	$200.00	
3270	6490 LYNCH	55	87,100	39.508	CLASSIC	263	$200.00	$200.00	
3271	8650 MT ELLIOTT	55	86,610	39.286	CLASSIC	263	$200.00	$200.00	
3272	8650 MT ELLIOTT	55	86,834	39.387	CLASSIC	263	$200.00	$200.00	
3273	8650 MT ELLIOTT	55	86,872	39.405	CLASSIC	263	$200.00	$200.00	
3274	8650 MT ELLIOTT	55	86,941	39.436	CLASSIC	263	$200.00	$200.00	
3275	8650 MT ELLIOTT	55	86,955	39.442	CLASSIC	263	$200.00	$200.00	
3276	8650 MT ELLIOTT	55	86,680	39.317	CLASSIC	263	$200.00	$200.00	
3277	8650 MT ELLIOTT	55	86,800	39.372	CLASSIC	263	$200.00	$200.00	
3278	8650 MT ELLIOTT	55	86,916	39.424	CLASSIC	263	$200.00	$200.00	
3279	151 LAFAYETTE	55	87,290	39.594	ALGER	006053-01	$225.00	$225.00	
3280	151 LAFAYETTE	57	87,175	39.542	ALGER	006062-01	$225.00	$225.00	
3281	151 LAFAYETTE	55	86,788	39.366	ALGER	006064-01	$225.00	$225.00	
3282	151 LAFAYETTE	55	87,486	39.683	CHAMPION	006065-01	$225.00	$225.00	
3283	151 LAFAYETTE	55	87,029	39.476	ALGER	006066-01	$225.00	$225.00	
3284	36555 ECORSE	55	87,032	39.477	JP GRAHAM	20431	$270.00	$270.00	
3285	36555 ECORSE	55	86,669	39.403	JP GRAHAM	20433	$270.00	$270.00	

	A	B	C	D	E	F	G
3286	BAR6496	92/92A	6-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	6-Jan-14
3287	BAR6495	670/670A	6-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	6-Jan-14
3288	BAR6904	924/880	8-Jan-14	6490 LYNCH	ABCQ	TBAR	8-Jan-14
3289	BAR6905	4/4B	8-Jan-14	6490 LYNCH	ABCQ	TBAR	8-Jan-14
3290	BAR6906	924/880	8-Jan-14	6490 LYNCH	ABCQ	TBAR	8-Jan-14
3291	BAR6907	33/611A/B	8-Jan-14	6490 LYNCH	ABCQ	TBAR	8-Jan-14
3292	BAR6908	4/4B	8-Jan-14	6490 LYNCH	ABCQ	TBAR	8-Jan-14
3293	BAR6909	924/880	8-Jan-14	6490 LYNCH	ABCQ	TBAR	8-Jan-14
3294	BAR6910	33/611A/B	8-Jan-14	6490 LYNCH	ABCQ	TBAR	8-Jan-14
3295	BAR6911	4/4B	8-Jan-14	6490 LYNCH	ABCQ	TBAR	8-Jan-14
3296	BAR6912	924/880	8-Jan-14	6490 LYNCH	ABCQ	TBAR	8-Jan-14
3297	BAR6913	33/611A/B	8-Jan-14	6490 LYNCH	ABCQ	TBAR	8-Jan-14
3298	BAR5597	17A	8-Jan-14	160 VISGER	ABCQ	TBAR	8-Jan-14
3299	BAR5598	17A	8-Jan-14	160 VISGER	ABCQ	TBAR	8-Jan-14
3300	BAR5599	17A	8-Jan-14	160 VISGER	ABCQ	TBAR	8-Jan-14
3301	BAR5600	17A	8-Jan-14	160 VISGER	ABCQ	TBAR	8-Jan-14
3302	BAR5601	17A	8-Jan-14	160 VISGER	ABCQ	TBAR	8-Jan-14
3303	BAR5602	17A	8-Jan-14	160 VISGER	ABCQ	TBAR	8-Jan-14
3304	BAR6071	413/2137A	8-Jan-14	26090 23 MILE RD	ABCQ	TBAR	8-Jan-14
3305	BAR6067	711/2138	8-Jan-14	26090 23 MILE RD	ABCQ	TBAR	8-Jan-14
3306	BAR6068	9934/2144	8-Jan-14	26090 23 MILE RD	ABCQ	TBAR	8-Jan-14
3307	BAR6069	711/2138	8-Jan-14	26090 23 MILE RD	ABCQ	TBAR	8-Jan-14
3308	BAR6070	9934/2144	8-Jan-14	26090 23 MILE RD	ABCQ	TBAR	8-Jan-14
3309	BAR6072	408/2143A	8-Jan-14	26090 23 MILE RD	ABCQ	TBAR	8-Jan-14
3310	BAR6073	9934/2144	8-Jan-14	26090 23 MILE RD	ABCQ	TBAR	8-Jan-14
3311	BAR6074	413/2137A	8-Jan-14	26090 23 MILE RD	ABCQ	TBAR	8-Jan-14
3312	BAR6075	408/2143A	8-Jan-14	26090 23 MILE RD	ABCQ	TBAR	8-Jan-14
3313	BAR6076	9934/2144	8-Jan-14	26090 23 MILE RD	ABCQ	TBAR	8-Jan-14
3314	BAR6077	413/2137A	8-Jan-14	26090 23 MILE RD	ABCQ	TBAR	8-Jan-14
3315	BAR6078	408/2143A	8-Jan-14	26090 23 MILE RD	ABCQ	TBAR	8-Jan-14
3316	BAR6079	413/2137A	8-Jan-14	26090 23 MILE RD	ABCQ	TBAR	8-Jan-14
3317	BAR6497	91/91A	8-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	8-Jan-14
3318	BAR6500	91/91A	8-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	8-Jan-14
3319	BAR6499	92/92A	8-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	8-Jan-14
3320	BAR6501	92/92A	8-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	8-Jan-14
3321	BAR6498	670/670A	8-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	8-Jan-14
3322	BAR6510	095/17A	9-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	9-Jan-14
3323	BAR6511	520/2112	9-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	9-Jan-14
3324	BAR6514	33/611A/B	9-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	9-Jan-14
3325	BAR6516	093/9944A/B	9-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	9-Jan-14
3326	BAR6517	194/80A	9-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	9-Jan-14
3327	BAR6914	520/2112	9-Jan-14	6490 LYNCH	ABCQ	TBAR	9-Jan-14
3328	BAR6915	19/5428	9-Jan-14	6490 LYNCH	ABCQ	TBAR	9-Jan-14
3329	BAR6916	33/611	9-Jan-14	6490 LYNCH	ABCQ	TBAR	9-Jan-14
3330	BAR6917	093/9941A/B	9-Jan-14	6490 LYNCH	ABCQ	TBAR	9-Jan-14

	H	I	J	K	L	M	N	O	P
3286	36555 ECORSE	55	87,732	39.795	JP GRAHAM	20435	$270.00	$270.00	
3287	36555 ECORSE	55	87,050	39.485	JP GRAHAM	20481	$270.00	$270.00	
3288	8650 MT ELLIOTT	55	86,792	39.368	CLASSIC	263	$200.00	$200.00	
3289	8650 MT ELLIOTT	55	86,782	39.364	CLASSIC	263	$200.00	$200.00	
3290	8650 MT ELLIOTT	55	86,901	39.418	CLASSIC	263	$200.00	$200.00	
3291	8650 MT ELLIOTT	55	87,018	39.471	CLASSIC	263	$200.00	$200.00	
3292	8650 MT ELLIOTT	55	86,736	39.343	CLASSIC	263	$200.00	$200.00	
3293	8650 MT ELLIOTT	55	86,888	39.412	CLASSIC	263	$200.00	$200.00	
3294	8650 MT ELLIOTT	55	86,645	39.302	CLASSIC	263	$200.00	$200.00	
3295	8650 MT ELLIOTT	55	87,121	39.517	CLASSIC	263	$200.00	$200.00	
3296	8650 MT ELLIOTT	55	86,770	39.358	CLASSIC	263	$200.00	$200.00	
3297	8650 MT ELLIOTT	55	86,874	39.405	CLASSIC	263	$200.00	$200.00	
3298	308 ANTOINE ST N	55	87,542	39.708	L&R	005597-01	$215.00	$215.00	
3299	308 ANTOINE ST N	55	87,144	39.528	L&R	005598-01	$215.00	$215.00	
3300	308 ANTOINE ST N	55	87,347	39.620	L&R	005599-01	$215.00	$215.00	
3301	308 ANTOINE ST N	55	87,239	39.571	L&R	005600-01	$215.00	$215.00	
3302	308 ANTOINE ST N	55	87,234	39.569	L&R	005601-01	$215.00	$215.00	
3303	308 ANTOINE ST N	55	87,290	39.594	L&R	005602-01	$215.00	$215.00	
3304	151 LAFAYETTE	55	87,234	39.569	CHAMPION	006011-01	$225.00	$225.00	
3305	151 LAFAYETTE	55	86,454	39.215	ALGER	006067-01	$225.00	$225.00	
3306	151 LAFAYETTE	57	87,624	39.746	CHAMPION	006068-01	$225.00	$225.00	
3307	151 LAFAYETTE	57	87,258	39.580	ALGER	006069-01	$225.00	$225.00	
3308	151 LAFAYETTE	56	87,829	39.839	CHAMPION	006070-01	$225.00	$225.00	
3309	151 LAFAYETTE	55	87,607	39.738	CHAMPION	006072-01	$225.00	$225.00	
3310	151 LAFAYETTE	55	87,128	39.521	CHAMPION	006073-01	$225.00	$225.00	
3311	151 LAFAYETTE	58	87,342	39.618	CHAMPION	006074-01	$225.00	$225.00	
3312	151 LAFAYETTE	55	86,805	39.374	CHAMPION	006075-01	$225.00	$225.00	
3313	151 LAFAYETTE	55	87,407	39.647	CHAMPION	006076-01	$225.00	$225.00	
3314	151 LAFAYETTE	55	87,753	39.804	CHAMPION	006077-01	$225.00	$225.00	
3315	151 LAFAYETTE	55	87,694	39.777	CHAMPION	006078-01	$225.00	$225.00	
3316	151 LAFAYETTE	55	87,486	39.683	CHAMPION	006079-01	$225.00	$225.00	
3317	36555 ECORSE	55	87,500	39.689	JP GRAHAM	20413	$270.00	$270.00	
3318	36555 ECORSE	59	87,505	39.692	JP GRAHAM	20414	$270.00	$270.00	
3319	36555 ECORSE	55	87,141	39.527	JP GRAHAM	20436	$270.00	$270.00	
3320	36555 ECORSE	60	86,998	39.462	JP GRAHAM	20437	$270.00	$270.00	
3321	36555 ECORSE	55	87,454	39.669	JP GRAHAM	20488	$270.00	$270.00	
3322	36555 ECORSE	60	86,995	39.460	CLASSIC	263	$200.00	$200.00	
3323	36555 ECORSE	61	86,742	39.346	CLASSIC	263	$200.00	$200.00	
3324	36555 ECORSE	60	86,625	39.292	CLASSIC	263	$200.00	$200.00	
3325	36555 ECORSE	56	87,810	39.830	CLASSIC	263	$200.00	$200.00	
3326	36555 ECORSE	56	86,766	39.356	CLASSIC	263	$200.00	$200.00	
3327	8650 MT ELLIOTT	55	86,917	39.425	CLASSIC	263	$200.00	$200.00	
3328	8650 MT ELLIOTT	55	86,681	39.318	CLASSIC	263	$200.00	$200.00	
3329	8650 MT ELLIOTT	54	86,395	39.188	CLASSIC	263	$200.00	$200.00	
3330	8650 MT ELLIOTT	55	87,243	39.573	CLASSIC	263	$200.00	$200.00	

	A	B	C	D	E	F	G
3331	BAR6918	520/2112	9-Jan-14	6490 LYNCH	ABCQ	TBAR	9-Jan-14
3332	BAR6919	19/5428	9-Jan-14	6490 LYNCH	ABCQ	TBAR	9-Jan-14
3333	BAR6920	33/611	9-Jan-14	6490 LYNCH	ABCQ	TBAR	9-Jan-14
3334	BAR6921	093/9944A/B	9-Jan-14	6490 LYNCH	ABCQ	TBAR	9-Jan-14
3335	BAR6922	19/5428	9-Jan-14	6490 LYNCH	ABCQ	TBAR	9-Jan-14
3336	BAR6923	19/5428	9-Jan-14	6490 LYNCH	ABCQ	TBAR	9-Jan-14
3337	BAR5603	17A	9-Jan-14	160 VISGER	ABCQ	TBAR	9-Jan-14
3338	BAR5604	17A	9-Jan-14	160 VISGER	ABCQ	TBAR	9-Jan-14
3339	BAR6080	9934/2144	9-Jan-14	26090 23 MILE RD	ABCQ	TBAR	9-Jan-14
3340	BAR6081	413/2137A	9-Jan-14	26090 23 MILE RD	ABCQ	TBAR	9-Jan-14
3341	BAR6082	111/2150A	9-Jan-14	26090 23 MILE RD	ABCQ	TBAR	9-Jan-14
3342	BAR6083	413/2137A	9-Jan-14	26090 23 MILE RD	ABCQ	TBAR	9-Jan-14
3343	BAR6084	9934/2144	9-Jan-14	26090 23 MILE RD	ABCQ	TBAR	9-Jan-14
3344	BAR6085	2133/2147A	9-Jan-14	26090 23 MILE RD	ABCQ	TBAR	9-Jan-14
3345	BAR6086	111/2150A	9-Jan-14	26090 23 MILE RD	ABCQ	TBAR	9-Jan-14
3346	BAR6087	413/2137A	9-Jan-14	26090 23 MILE RD	ABCQ	TBAR	9-Jan-14
3347	BAR6088	9934/2144	9-Jan-14	26090 23 MILE RD	ABCQ	TBAR	9-Jan-14
3348	BAR6089	2133/2147A	9-Jan-14	26090 23 MILE RD	ABCQ	TBAR	9-Jan-14
3349	BAR6090	111/2150A	9-Jan-14	26090 23 MILE RD	ABCQ	TBAR	9-Jan-14
3350	BAR6091	413/2137A	9-Jan-14	26090 23 MILE RD	ABCQ	TBAR	9-Jan-14
3351	BAR6092	9934/2144	9-Jan-14	26090 23 MILE RD	ABCQ	TBAR	9-Jan-14
3352	BAR6093	111/2150A	9-Jan-14	26090 23 MILE RD	ABCQ	TBAR	9-Jan-14
3353	BAR6094	413/2137A	9-Jan-14	26090 23 MILE RD	ABCQ	TBAR	9-Jan-14
3354	BAR6095	2133/2147A	9-Jan-14	26090 23 MILE RD	ABCQ	TBAR	9-Jan-14
3355	BAR6096	9934/2144	9-Jan-14	26090 23 MILE RD	ABCQ	TBAR	9-Jan-14
3356	BAR6097	111/2150A	9-Jan-14	26090 23 MILE RD	ABCQ	TBAR	9-Jan-14
3357	BAR6098	413/2137A	9-Jan-14	26090 23 MILE RD	ABCQ	TBAR	9-Jan-14
3358	BAR6099	2133/2147A	9-Jan-14	26090 23 MILE RD	ABCQ	TBAR	9-Jan-14
3359	BAR6504	91/91A	9-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	9-Jan-14
3360	BAR6507	91/91A	9-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	9-Jan-14
3361	BAR6515	92/92A	9-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	9-Jan-14
3362	BAR6503	92/92A	9-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	9-Jan-14
3363	BAR6506	92/92A	9-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	9-Jan-14
3364	BAR6509	92/92A	9-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	9-Jan-14
3365	BAR6502	670/670A	9-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	9-Jan-14
3366	BAR6505	670/670A	9-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	9-Jan-14
3367	BAR6508	670/670A	9-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	9-Jan-14
3368	BAR6513	670/670A	9-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	9-Jan-14
3369	BAR6512	007/007A	9-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	9-Jan-14
3370	BAR6924	093/9941A/B	10-Jan-14	6490 LYNCH	ABCQ	TBAR	10-Jan-14
3371	BAR6925	520/2112	10-Jan-14	6490 LYNCH	ABCQ	TBAR	10-Jan-14
3372	BAR6926	093/9941A/B	10-Jan-14	6490 LYNCH	ABCQ	TBAR	10-Jan-14
3373	BAR6927	6/6B	10-Jan-14	6490 LYNCH	ABCQ	TBAR	10-Jan-14
3374	BAR6928	520/2112	10-Jan-14	6490 LYNCH	ABCQ	TBAR	10-Jan-14
3375	BAR6929	4/4B	10-Jan-14	6490 LYNCH	ABCQ	TBAR	10-Jan-14

	H	I	J	K	L	M	N	O	P
3331	8650 MT ELLIOTT	55	86,697	39.325	CLASSIC	263	$200.00	$200.00	
3332	8650 MT ELLIOTT	55	86,693	39.323	CLASSIC	263	$200.00	$200.00	
3333	8650 MT ELLIOTT	55	87,031	39.477	CLASSIC	263	$200.00	$200.00	
3334	8650 MT ELLIOTT	56	87,000	39.463	CLASSIC	263	$200.00	$200.00	
3335	8650 MT ELLIOTT	55	86,655	39.306	CLASSIC	263	$200.00	$200.00	
3336	8650 MT ELLIOTT	55	86,732	39.341	CLASSIC	263	$200.00	$200.00	
3337	308 ANTOINE ST N	55	87,297	39.597	L&R	005603-01	$215.00	$215.00	
3338	308 ANTOINE ST N	55	87,655	39.760	L&R	005604-01	$215.00	$215.00	
3339	151 LAFAYETTE	55	87,290	39.594	CHAMPION	006080-01	$225.00	$225.00	
3340	151 LAFAYETTE	58	86,933	39.432	CHAMPION	006081-01	$225.00	$225.00	
3341	151 LAFAYETTE	56	87,973	39.904	CHAMPION	006082-01	$225.00	$225.00	
3342	151 LAFAYETTE	55	86,662	39.309	CHAMPION	006083-01	$225.00	$225.00	
3343	151 LAFAYETTE	55	86,730	39.340	CHAMPION	006084-01	$225.00	$225.00	
3344	151 LAFAYETTE	55	87,298	39.598	CHAMPION	006085-01	$225.00	$225.00	
3345	151 LAFAYETTE	55	87,279	39.589	CHAMPION	006086-01	$225.00	$225.00	
3346	151 LAFAYETTE	55	87,554	39.714	CHAMPION	006087-01	$225.00	$225.00	
3347	151 LAFAYETTE	55	87,352	39.622	CHAMPION	006088-01	$225.00	$225.00	
3348	151 LAFAYETTE	58	87,320	39.608	CHAMPION	006089-01	$225.00	$225.00	
3349	151 LAFAYETTE	56	86,434	39.206	CHAMPION	006090-01	$225.00	$225.00	
3350	151 LAFAYETTE	55	87,817	39.833	CHAMPION	006091-01	$225.00	$225.00	
3351	151 LAFAYETTE	59	86,973	39.450	CHAMPION	006092-01	$225.00	$225.00	
3352	151 LAFAYETTE	58	87,479	39.680	CHAMPION	006093-01	$225.00	$225.00	
3353	151 LAFAYETTE	55	86,750	39.349	CHAMPION	006094-01	$225.00	$225.00	
3354	151 LAFAYETTE	55	86,784	39.365	CHAMPION	006095-01	$225.00	$225.00	
3355	151 LAFAYETTE	55	86,945	39.438	CHAMPION	006096-01	$225.00	$225.00	
3356	151 LAFAYETTE	55	86,645	39.302	CHAMPION	006097-01	$225.00	$225.00	
3357	151 LAFAYETTE	55	86,850	39.395	CHAMPION	006098-01	$225.00	$225.00	
3358	151 LAFAYETTE	55	86,881	39.409	CHAMPION	006099-01	$225.00	$225.00	
3359	36555 ECORSE	61	87,359	39.625	JP GRAHAM	20415	$270.00	$270.00	
3360	36555 ECORSE	60	86,895	39.415	JP GRAHAM	20416	$270.00	$270.00	
3361	36555 ECORSE	55	86,618	39.289	JP GRAHAM	20417	$270.00	$270.00	
3362	36555 ECORSE	61	86,799	39.371	JP GRAHAM	20438	$270.00	$270.00	
3363	36555 ECORSE	61	87,920	39.880	JP GRAHAM	20439.01	$270.00	$270.00	
3364	36555 ECORSE	61	87,930	39.884	JP GRAHAM	20440	$270.00	$270.00	
3365	36555 ECORSE	60	86,754	39.351	JP GRAHAM	20489	$270.00	$270.00	
3366	36555 ECORSE	61	86,936	39.434	JP GRAHAM	20490	$270.00	$270.00	
3367	36555 ECORSE	61	87,295	39.596	JP GRAHAM	20491	$270.00	$270.00	
3368	36555 ECORSE	60	86,835	39.388	JP GRAHAM	20492	$270.00	$270.00	
3369	36555 ECORSE	60	87,250	39.576	JP GRAHAM	23299	$270.00	$270.00	
3370	8650 MT ELLIOTT	55	86,824	39.383	CLASSIC	263	$200.00	$200.00	
3371	8650 MT ELLIOTT	55	86,759	39.353	CLASSIC	263	$200.00	$200.00	
3372	8650 MT ELLIOTT	55	86,871	39.404	CLASSIC	263	$200.00	$200.00	
3373	8650 MT ELLIOTT	55	86,707	39.330	CLASSIC	263	$200.00	$200.00	
3374	8650 MT ELLIOTT	55	86,905	39.419	CLASSIC	263	$200.00	$200.00	
3375	8650 MT ELLIOTT	55	86,923	39.428	CLASSIC	263	$200.00	$200.00	

	A	B	C	D	E	F	G
3376	BAR6930	093/9941A/B	10-Jan-14	6490 LYNCH	ABCQ	TBAR	10-Jan-14
3377	BAR6931	6/6B	10-Jan-14	6490 LYNCH	ABCQ	TBAR	10-Jan-14
3378	BAR6932	520/2112	10-Jan-14	6490 LYNCH	ABCQ	TBAR	10-Jan-14
3379	BAR5605	17A	10-Jan-14	160 VISGER	ABCQ	TBAR	10-Jan-14
3380	BAR5606	17A	10-Jan-14	160 VISGER	ABCQ	TBAR	10-Jan-14
3381	BAR5607	17A	10-Jan-14	160 VISGER	ABCQ	TBAR	10-Jan-14
3382	BAR6100	111/2150A	10-Jan-14	26090 23 MILE RD	ABCQ	TBAR	10-Jan-14
3383	BAR6101	9934/2144	10-Jan-14	26090 23 MILE RD	ABCQ	TBAR	10-Jan-14
3384	BAR6102	413/2137A	10-Jan-14	26090 23 MILE RD	ABCQ	TBAR	10-Jan-14
3385	BAR6104	111/2150A	10-Jan-14	26090 23 MILE RD	ABCQ	TBAR	10-Jan-14
3386	BAR6105	9934/2144	10-Jan-14	26090 23 MILE RD	ABCQ	TBAR	10-Jan-14
3387	BAR6106	413/2137A	10-Jan-14	26090 23 MILE RD	ABCQ	TBAR	10-Jan-14
3388	BAR6107	420/111-112	10-Jan-14	26090 23 MILE RD	ABCQ	TBAR	10-Jan-14
3389	BAR6108	111/2150A	10-Jan-14	26090 23 MILE RD	ABCQ	TBAR	10-Jan-14
3390	BAR6109	2133/2147A	10-Jan-14	26090 23 MILE RD	ABCQ	TBAR	10-Jan-14
3391	BAR6110	9934/2144	10-Jan-14	26090 23 MILE RD	ABCQ	TBAR	10-Jan-14
3392	BAR6111	413/2137A	10-Jan-14	26090 23 MILE RD	ABCQ	TBAR	10-Jan-14
3393	BAR6112	111/2150A	10-Jan-14	26090 23 MILE RD	ABCQ	TBAR	10-Jan-14
3394	BAR6113	420/111-112	10-Jan-14	26090 23 MILE RD	ABCQ	TBAR	10-Jan-14
3395	BAR6114	9934/2144	10-Jan-14	26090 23 MILE RD	ABCQ	TBAR	10-Jan-14
3396	BAR6115	111/2150A	10-Jan-14	26090 23 MILE RD	ABCQ	TBAR	10-Jan-14
3397	BAR6116	2133/2147A	10-Jan-14	26090 23 MILE RD	ABCQ	TBAR	10-Jan-14
3398	BAR6117	9934/2144	10-Jan-14	26090 23 MILE RD	ABCQ	TBAR	10-Jan-14
3399	BAR6118	420/111-112	10-Jan-14	26090 23 MILE RD	ABCQ	TBAR	10-Jan-14
3400	BAR6119	420/111-112	10-Jan-14	26090 23 MILE RD	ABCQ	TBAR	10-Jan-14
3401	BAR6103	2133/2147A	10-Jan-14	26090 23 MILE RD	ABCQ	TBAR	10-Jan-14
3402	BAR6520	357/8014	10-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	10-Jan-14
3403	BAR6524	357/8014	10-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	10-Jan-14
3404	BAR6528	357/8014	10-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	10-Jan-14
3405	BAR6533	357/8014	10-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	10-Jan-14
3406	BAR6537	357/8014	10-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	10-Jan-14
3407	BAR6519	92/92A	10-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	10-Jan-14
3408	BAR6522	92/92A	10-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	10-Jan-14
3409	BAR6530	91/91A	10-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	10-Jan-14
3410	BAR6536	92/92A	10-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	10-Jan-14
3411	BAR6518	670/670A	10-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	10-Jan-14
3412	BAR6521	670/670A	10-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	10-Jan-14
3413	BAR6525	670/670A	10-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	10-Jan-14
3414	BAR6529	670/670A	10-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	10-Jan-14
3415	BAR6534	670/670A	10-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	10-Jan-14
3416	BAR6535	200/11909	10-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	10-Jan-14
3417	BAR6531	200/11909	10-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	10-Jan-14
3418	BAR6526	200/200A	10-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	10-Jan-14
3419	BAR6523	11091/11091A	10-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	10-Jan-14
3420	BAR6527	11091/11091A	10-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	10-Jan-14

	H	I	J	K	L	M	N	O	P
3376	8650 MT ELLIOTT	55	86,845	39.392	CLASSIC	263	$200.00	$200.00	
3377	8650 MT ELLIOTT	56	87,791	39.821	CLASSIC	263	$200.00	$200.00	
3378	8650 MT ELLIOTT	56	87,428	39.657	CLASSIC	263	$200.00	$200.00	
3379	308 ANTOINE ST N	55	87,279	39.589	L&R	005605-01	$215.00	$215.00	
3380	308 ANTOINE ST N	55	87,293	39.595	L&R	005606-01	$215.00	$215.00	
3381	308 ANTOINE ST N	55	87,793	39.822	L&R	005607-01	$215.00	$215.00	
3382	151 LAFAYETTE	55	86,636	39.297	CHAMPION	006100-01	$225.00	$225.00	
3383	151 LAFAYETTE	55	86,980	39.454	CHAMPION	006101-01	$225.00	$225.00	
3384	151 LAFAYETTE	55	86,991	39.459	CHAMPION	006102-01	$225.00	$225.00	
3385	151 LAFAYETTE	55	86,691	39.322	CHAMPION	006104-01	$225.00	$225.00	
3386	151 LAFAYETTE	55	86,812	39.377	CHAMPION	006105-01	$225.00	$225.00	
3387	151 LAFAYETTE	55	87,464	39.673	CHAMPION	006106-01	$225.00	$225.00	
3388	151 LAFAYETTE	55	86,551	39.259	CHAMPION	006107-01	$225.00	$225.00	
3389	151 LAFAYETTE	57	86,799	39.371	CHAMPION	006108-01	$225.00	$225.00	
3390	151 LAFAYETTE	58	86,750	39.349	CHAMPION	006109-01	$225.00	$225.00	
3391	151 LAFAYETTE	55	86,661	39.309	CHAMPION	006110-01	$225.00	$225.00	
3392	151 LAFAYETTE	56	87,904	39.873	CHAMPION	006111-01	$225.00	$225.00	
3393	151 LAFAYETTE	55	87,024	39.473	CHAMPION	006112-01	$225.00	$225.00	
3394	151 LAFAYETTE	55	86,534	39.251	CHAMPION	006113-01	$225.00	$225.00	
3395	151 LAFAYETTE	55	86,644	39.301	CHAMPION	006114-01	$225.00	$225.00	
3396	151 LAFAYETTE	55	87,014	39.469	CHAMPION	006115-01	$225.00	$225.00	
3397	151 LAFAYETTE	55	86,880	39.408	CHAMPION	006116-01	$225.00	$225.00	
3398	151 LAFAYETTE	57	86,991	39.459	CHAMPION	006117-01	$225.00	$225.00	
3399	151 LAFAYETTE	57	87,674	39.768	CHAMPION	006118-01	$225.00	$225.00	
3400	151 LAFAYETTE	55	86,504	39.238	CHAMPION	006119-01	$225.00	$225.00	
3401	151 LAFAYETTE	54	86,680	39.317	CHAMPION	006203-01	$225.00	$225.00	
3402	36555 ECORSE	55	86,749	39.349	JP GRAHAM	20418	$270.00	$270.00	
3403	36555 ECORSE	55	86,570	39.268	JP GRAHAM	20419	$270.00	$270.00	
3404	36555 ECORSE	56	87,956	39.896	JP GRAHAM	20420	$270.00	$270.00	
3405	36555 ECORSE	59	86,610	39.286	JP GRAHAM	20421	$270.00	$270.00	
3406	36555 ECORSE	55	87,069	39.494	JP GRAHAM	20423	$270.00	$270.00	
3407	36555 ECORSE	56	87,884	39.864	JP GRAHAM	20441	$270.00	$270.00	
3408	36555 ECORSE	55	86,730	39.340	JP GRAHAM	20442	$270.00	$270.00	
3409	36555 ECORSE	61	86,718	39.335	JP GRAHAM	20443	$270.00	$270.00	
3410	36555 ECORSE	55	87,002	39.463	JP GRAHAM	20444	$270.00	$270.00	
3411	36555 ECORSE	57	87,814	39.832	JP GRAHAM	20493	$270.00	$270.00	
3412	36555 ECORSE	57	86,717	39.334	JP GRAHAM	20495	$270.00	$270.00	
3413	36555 ECORSE	56	87,564	39.718	JP GRAHAM	20496	$270.00	$270.00	
3414	36555 ECORSE	56	87,676	39.769	JP GRAHAM	20497	$270.00	$270.00	
3415	36555 ECORSE	55	87,131	39.522	JP GRAHAM	20499	$270.00	$270.00	
3416	36555 ECORSE	55	86,831	39.386	JP GRAHAM	20511	$270.00	$270.00	
3417	36555 ECORSE	61	87,130	39.522	JP GRAHAM	20512	$270.00	$270.00	
3418	36555 ECORSE	55	86,722	39.336	JP GRAHAM	20514	$270.00	$270.00	
3419	36555 ECORSE	56	87,616	39.742	JP GRAHAM	20901	$270.00	$270.00	
3420	36555 ECORSE	55	86,700	39.327	JP GRAHAM	20903	$270.00	$270.00	

	A	B	C	D	E	F	G
3421	BAR6532	11091/11091A	10-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	10-Jan-14
3422	BAR5360	924/880	13-Jan-14	13542 HELEN	ABCQ	TBAR	13-Jan-14
3423	BAR5361	520/2112	13-Jan-14	13542 HELEN	ABCQ	TBAR	13-Jan-14
3424	BAR6933	924/880	13-Jan-14	6490 LYNCH	ABCQ	TBAR	13-Jan-14
3425	BAR6934	520/2112	13-Jan-14	6490 LYNCH	ABCQ	TBAR	13-Jan-14
3426	BAR6935	33/611A/B	13-Jan-14	6490 LYNCH	ABCQ	TBAR	13-Jan-14
3427	BAR6936	6/6B	13-Jan-14	6490 LYNCH	ABCQ	TBAR	13-Jan-14
3428	BAR6937	4/4B	13-Jan-14	6490 LYNCH	ABCQ	TBAR	13-Jan-14
3429	BAR6938	924/880	13-Jan-14	6490 LYNCH	ABCQ	TBAR	13-Jan-14
3430	BAR6939	520/2112	13-Jan-14	6490 LYNCH	ABCQ	TBAR	13-Jan-14
3431	BAR6940	33/611	13-Jan-14	6490 LYNCH	ABCQ	TBAR	13-Jan-14
3432	BAR6941	6/6B	13-Jan-14	6490 LYNCH	ABCQ	TBAR	13-Jan-14
3433	BAR6942	4/4B	13-Jan-14	6490 LYNCH	ABCQ	TBAR	13-Jan-14
3434	BAR6120	711/2138	13-Jan-14	26090 23 MILE RD	ABCQ	TBAR	13-Jan-14
3435	BAR6121	9934/2144	13-Jan-14	26090 23 MILE RD	ABCQ	TBAR	13-Jan-14
3436	BAR6122	108/2140A	13-Jan-14	26090 23 MILE RD	ABCQ	TBAR	13-Jan-14
3437	BAR6123	111/2150A	13-Jan-14	26090 23 MILE RD	ABCQ	TBAR	13-Jan-14
3438	BAR6124	408/21430	13-Jan-14	26090 23 MILE RD	ABCQ	TBAR	13-Jan-14
3439	BAR6125	711/2138A	13-Jan-14	26090 23 MILE RD	ABCQ	TBAR	13-Jan-14
3440	BAR6126	9934/2144	13-Jan-14	26090 23 MILE RD	ABCQ	TBAR	13-Jan-14
3441	BAR6127	108/2140A	13-Jan-14	26090 23 MILE RD	ABCQ	TBAR	13-Jan-14
3442	BAR6128	111/2150A	13-Jan-14	26090 23 MILE RD	ABCQ	TBAR	13-Jan-14
3443	BAR6129	711/2138	13-Jan-14	26090 23 MILE RD	ABCQ	TBAR	13-Jan-14
3444	BAR6130	9934/2144	13-Jan-14	26090 23 MILE RD	ABCQ	TBAR	13-Jan-14
3445	BAR6131	108/2140A	13-Jan-14	26090 23 MILE RD	ABCQ	TBAR	13-Jan-14
3446	BAR6132	111/2150A	13-Jan-14	26090 23 MILE RD	ABCQ	TBAR	13-Jan-14
3447	BAR6133	711/2138A	13-Jan-14	26090 23 MILE RD	ABCQ	TBAR	13-Jan-14
3448	BAR6134	9934/2144	13-Jan-14	26090 23 MILE RD	ABCQ	TBAR	13-Jan-14
3449	BAR6135	108/2140A	13-Jan-14	26090 23 MILE RD	ABCQ	TBAR	13-Jan-14
3450	BAR6136	111/2150A	13-Jan-14	26090 23 MILE RD	ABCQ	TBAR	13-Jan-14
3451	BAR6137	711/2138A	13-Jan-14	26090 23 MILE RD	ABCQ	TBAR	13-Jan-14
3452	BAR6138	9934/2144	13-Jan-14	26090 23 MILE RD	ABCQ	TBAR	13-Jan-14
3453	BAR6139	108/2140A	13-Jan-14	26090 23 MILE RD	ABCQ	TBAR	13-Jan-14
3454	BAR6541	11091/11091A	13-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	13-Jan-14
3455	BAR6545	11091/11091A	13-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	13-Jan-14
3456	BAR6549	11091/11091A	13-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	13-Jan-14
3457	BAR6553	11091/11091A	13-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	13-Jan-14
3458	BAR6557	11091/11091A	13-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	13-Jan-14
3459	BAR6540	357/8014	13-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	13-Jan-14
3460	BAR6544	357	13-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	13-Jan-14
3461	BAR6548	357/8014A	13-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	13-Jan-14
3462	BAR6551	357/8014	13-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	13-Jan-14
3463	BAR6555	357	13-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	13-Jan-14
3464	BAR6538	670/670A	13-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	13-Jan-14
3465	BAR6542	670/670A	13-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	13-Jan-14

	H	I	J	K	L	M	N	O	P
3421	36555 ECORSE	61	87,647	39.756	JP GRAHAM	20904	$270.00	$270.00	
3422	1200 E. MCNICHOLS AVE.	57	87,469	39.675	CLASSIC	265	$200.00	$200.00	
3423	1200 E. MCNICHOLS AVE.	57	87,214	39.560	CLASSIC	265	$200.00	$200.00	
3424	8650 MT ELLIOTT	55	86,691	39.322	CLASSIC	265	$200.00	$200.00	
3425	8650 MT ELLIOTT	55	86,814	39.378	CLASSIC	265	$200.00	$200.00	
3426	8650 MT ELLIOTT	55	86,679	39.317	CLASSIC	265	$200.00	$200.00	
3427	8650 MT ELLIOTT	55	86,951	39.440	CLASSIC	265	$200.00	$200.00	
3428	8650 MT ELLIOTT	55	86,788	39.366	CLASSIC	265	$200.00	$200.00	
3429	8650 MT ELLIOTT	55	86,901	39.418	CLASSIC	265	$200.00	$200.00	
3430	8650 MT ELLIOTT	55	86,855	39.397	CLASSIC	265	$200.00	$200.00	
3431	8650 MT ELLIOTT	55	86,863	39.400	CLASSIC	265	$200.00	$200.00	
3432	8650 MT ELLIOTT	55	86,797	39.371	CLASSIC	265	$200.00	$200.00	
3433	8650 MT ELLIOTT	55	86,816	39.380	CLASSIC	265	$200.00	$200.00	
3434	151 LAFAYETTE	56	87,969	39.902	CHAMPION	006120-01	$225.00	$225.00	
3435	151 LAFAYETTE	55	87,322	39.609	CHAMPION	006121-01	$225.00	$225.00	
3436	151 LAFAYETTE	55	87,386	39.638	CHAMPION	006122-01	$225.00	$225.00	
3437	151 LAFAYETTE	55	87,380	39.635	CHAMPION	006123-01	$225.00	$225.00	
3438	151 LAFAYETTE	55	87,369	39.630	CHAMPION	006124-01	$225.00	$225.00	
3439	151 LAFAYETTE	56	86,921	39.427	ALGER	006125-01	$225.00	$225.00	
3440	151 LAFAYETTE	55	86,646	39.302	CHAMPION	006126-01	$225.00	$225.00	
3441	151 LAFAYETTE	56	87,862	39.854	CHAMPION	006127-01	$225.00	$225.00	
3442	151 LAFAYETTE	58	86,746	39.347	CHAMPION	006128-01	$225.00	$225.00	
3443	151 LAFAYETTE	56	87,962	39.899	ALGER	006129-01	$225.00	$225.00	
3444	151 LAFAYETTE	55	87,155	39.533	CHAMPION	006130-01	$225.00	$225.00	
3445	151 LAFAYETTE	55	86,567	39.266	CHAMPION	006131-01	$225.00	$225.00	
3446	151 LAFAYETTE	55	86,838	39.389	CHAMPION	006132-01	$225.00	$225.00	
3447	151 LAFAYETTE	55	86,565	39.265	ALGER	006133-01	$225.00	$225.00	
3448	151 LAFAYETTE	55	86,838	39.389	CHAMPION	006134-01	$225.00	$225.00	
3449	151 LAFAYETTE	55	87,410	39.649	CHAMPION	006135-01	$225.00	$225.00	
3450	151 LAFAYETTE	55	86,718	39.335	CHAMPION	006136-01	$225.00	$225.00	
3451	151 LAFAYETTE	56	87,824	39.836	ALGER	006137-01	$225.00	$225.00	
3452	151 LAFAYETTE	55	86,653	39.305	CHAMPION	006138-01	$225.00	$225.00	
3453	151 LAFAYETTE	55	86,505	39.238	CHAMPION	006139-01	$225.00	$225.00	
3454	36555 ECORSE	55	86,796	39.370	JP GRAHAM	20907	$270.00	$270.00	
3455	36555 ECORSE	55	87,072	39.495	JP GRAHAM	20910	$270.00	$270.00	
3456	36555 ECORSE	55	86,927	39.429	JP GRAHAM	20911	$270.00	$270.00	
3457	36555 ECORSE	55	87,231	39.567	JP GRAHAM	20912	$270.00	$270.00	
3458	36555 ECORSE	59	86,827	39.384	JP GRAHAM	20913	$270.00	$270.00	
3459	36555 ECORSE	55	86,953	39.441	JP GRAHAM	21375	$270.00	$270.00	
3460	36555 ECORSE	55	86,869	39.403	JP GRAHAM	21380.01	$270.00	$270.00	
3461	36555 ECORSE	55	87,139	39.526	JP GRAHAM	21382	$270.00	$270.00	
3462	36555 ECORSE	55	86,814	39.378	JP GRAHAM	21384	$270.00	$270.00	
3463	36555 ECORSE	55	87,071	39.495	JP GRAHAM	21385	$270.00	$270.00	
3464	36555 ECORSE	55	87,190	39.549	JP GRAHAM	21507	$270.00	$270.00	
3465	36555 ECORSE	55	86,704	39.328	JP GRAHAM	21509	$270.00	$270.00	

	A	B	C	D	E	F	G
3466	BAR6546	670/670A	13-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	13-Jan-14
3467	BAR6552	670/670A	13-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	13-Jan-14
3468	BAR6556	670	13-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	13-Jan-14
3469	BAR6539	200/11909	13-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	13-Jan-14
3470	BAR6543	200	13-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	13-Jan-14
3471	BAR6547	200/11909	13-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	13-Jan-14
3472	BAR6550	200/11909	13-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	13-Jan-14
3473	BAR6554	200	13-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	13-Jan-14
3474	BAR5362	924/880	14-Jan-14	13542 HELEN	ABCQ	TBAR	14-Jan-14
3475	BAR5363	6/6B	14-Jan-14	13542 HELEN	ABCQ	TBAR	14-Jan-14
3476	BAR6943	924/880	14-Jan-14	6490 LYNCH	ABCQ	TBAR	14-Jan-14
3477	BAR6944	6/6B	14-Jan-14	6490 LYNCH	ABCQ	TBAR	14-Jan-14
3478	BAR6945	924/880	14-Jan-14	6490 LYNCH	ABCQ	TBAR	14-Jan-14
3479	BAR6946	1/5428	14-Jan-14	6490 LYNCH	ABCQ	TBAR	14-Jan-14
3480	BAR6947	194/808	14-Jan-14	6490 LYNCH	ABCQ	TBAR	14-Jan-14
3481	BAR6948	6/6B	14-Jan-14	6490 LYNCH	ABCQ	TBAR	14-Jan-14
3482	BAR6949	1/5428	14-Jan-14	6490 LYNCH	ABCQ	TBAR	14-Jan-14
3483	BAR6950	194/808	14-Jan-14	6490 LYNCH	ABCQ	TBAR	14-Jan-14
3484	BAR6951	1/5428	14-Jan-14	6490 LYNCH	ABCQ	TBAR	14-Jan-14
3485	BAR6952	194/808	14-Jan-14	6490 LYNCH	ABCQ	TBAR	14-Jan-14
3486	BAR6140	9934/2144	14-Jan-14	26090 23 MILE RD	ABCQ	TBAR	14-Jan-14
3487	BAR6141	711/213A	14-Jan-14	26090 23 MILE RD	ABCQ	TBAR	14-Jan-14
3488	BAR6142	413/2137A	14-Jan-14	26090 23 MILE RD	ABCQ	TBAR	14-Jan-14
3489	BAR6143	420/111/112	14-Jan-14	26090 23 MILE RD	ABCQ	TBAR	14-Jan-14
3490	BAR6144	108/2140A	14-Jan-14	26090 23 MILE RD	ABCQ	TBAR	14-Jan-14
3491	BAR6145	711/2138	14-Jan-14	26090 23 MILE RD	ABCQ	TBAR	14-Jan-14
3492	BAR6146	9934/2144	14-Jan-14	26090 23 MILE RD	ABCQ	TBAR	14-Jan-14
3493	BAR6147	420/111/112	14-Jan-14	26090 23 MILE RD	ABCQ	TBAR	14-Jan-14
3494	BAR6148	108/2140A	14-Jan-14	26090 23 MILE RD	ABCQ	TBAR	14-Jan-14
3495	BAR6149	413/2137A	14-Jan-14	26090 23 MILE RD	ABCQ	TBAR	14-Jan-14
3496	BAR6150	711/2138A	14-Jan-14	26090 23 MILE RD	ABCQ	TBAR	14-Jan-14
3497	BAR6151	413/2137A	14-Jan-14	26090 23 MILE RD	ABCQ	TBAR	14-Jan-14
3498	BAR6152	9934/2144	14-Jan-14	26090 23 MILE RD	ABCQ	TBAR	14-Jan-14
3499	BAR6153	711/2138	14-Jan-14	26090 23 MILE RD	ABCQ	TBAR	14-Jan-14
3500	BAR6154	420/111/112	14-Jan-14	26090 23 MILE RD	ABCQ	TBAR	14-Jan-14
3501	BAR6155	9934/2144	14-Jan-14	26090 23 MILE RD	ABCQ	TBAR	14-Jan-14
3502	BAR6156	711/2138A	14-Jan-14	26090 23 MILE RD	ABCQ	TBAR	14-Jan-14
3503	BAR6157	413/2137A	14-Jan-14	26090 23 MILE RD	ABCQ	TBAR	14-Jan-14
3504	BAR6158	413/2137A	14-Jan-14	26090 23 MILE RD	ABCQ	TBAR	14-Jan-14
3505	BAR6159	9534/2144	14-Jan-14	26090 23 MILE RD	ABCQ	TBAR	14-Jan-14
3506	BAR6561	11091/11091A	14-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	14-Jan-14
3507	BAR6567	11091/11091A	14-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	14-Jan-14
3508	BAR6573	11091/11091A	14-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	14-Jan-14
3509	BAR6577	11091/11091A	14-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	14-Jan-14
3510	BAR6562	357/8014A	14-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	14-Jan-14

	H	I	J	K	L	M	N	O	P
3466	36555 ECORSE	55	86,778	39.362	JP GRAHAM	21510	$270.00	$270.00	
3467	36555 ECORSE	55	87,061	39.490	JP GRAHAM	21511	$270.00	$270.00	
3468	36555 ECORSE	55	87,004	39.464	JP GRAHAM	21513	$270.00	$270.00	
3469	36555 ECORSE	55	86,994	39.460	JP GRAHAM	22503	$270.00	$270.00	
3470	36555 ECORSE	55	87,019	39.471	JP GRAHAM	22505	$270.00	$270.00	
3471	36555 ECORSE	55	87,212	39.559	JP GRAHAM	22514	$270.00	$270.00	
3472	36555 ECORSE	55	86,825	39.383	JP GRAHAM	22517	$270.00	$270.00	
3473	36555 ECORSE	55	87,226	39.565	JP GRAHAM	22520	$270.00	$270.00	
3474	1200 E. MCNICHOLS AVE.	58	87,462	39.672	CLASSIC	265	$200.00	$200.00	
3475	1200 E. MCNICHOLS AVE.	56	87,910	39.875	CLASSIC	265	$200.00	$200.00	
3476	8650 MT ELLIOTT	55	86,851	39.395	CLASSIC	265	$200.00	$200.00	
3477	8650 MT ELLIOTT	55	86,699	39.326	CLASSIC	265	$200.00	$200.00	
3478	8650 MT ELLIOTT	55	86,863	39.400	CLASSIC	265	$200.00	$200.00	
3479	8650 MT ELLIOTT	55	87,104	39.510	CLASSIC	265	$200.00	$200.00	
3480	8650 MT ELLIOTT	55	86,979	39.453	CLASSIC	265	$200.00	$200.00	
3481	8650 MT ELLIOTT	55	86,771	39.359	CLASSIC	265	$200.00	$200.00	
3482	8650 MT ELLIOTT	58	87,874	39.859	CLASSIC	265	$200.00	$200.00	
3483	8650 MT ELLIOTT	61	87,537	39.706	CLASSIC	265	$200.00	$200.00	
3484	8650 MT ELLIOTT	55	86,633	39.296	CLASSIC	265	$200.00	$200.00	
3485	8650 MT ELLIOTT	55	86,849	39.394	CLASSIC	265	$200.00	$200.00	
3486	151 LAFAYETTE	55	86,977	39.452	CHAMPION	006140-01	$225.00	$225.00	
3487	151 LAFAYETTE	55	87,000	39.463	ALGER	006141-01	$225.00	$225.00	
3488	151 LAFAYETTE	59	86,876	39.406	CHAMPION	006142-01	$225.00	$225.00	
3489	151 LAFAYETTE	57	87,652	39.758	CHAMPION	006143-01	$225.00	$225.00	
3490	151 LAFAYETTE	56	86,527	39.248	CHAMPION	006144-01	$225.00	$225.00	
3491	151 LAFAYETTE	55	86,809	39.376	ALGER	006145-01	$225.00	$225.00	
3492	151 LAFAYETTE	58	86,560	39.263	CHAMPION	006146-01	$225.00	$225.00	
3493	151 LAFAYETTE	55	86,751	39.350	CHAMPION	006147-01	$225.00	$225.00	
3494	151 LAFAYETTE	61	87,000	39.463	CHAMPION	006148-01	$225.00	$225.00	
3495	151 LAFAYETTE	61	86,508	39.239	CHAMPION	006149-01	$225.00	$225.00	
3496	151 LAFAYETTE	55	86,808	39.375	ALGER	006150-01	$225.00	$225.00	
3497	151 LAFAYETTE	55	86,827	39.384	CHAMPION	006151-01	$225.00	$225.00	
3498	151 LAFAYETTE	55	86,913	39.423	CHAMPION	006152-01	$225.00	$225.00	
3499	151 LAFAYETTE	55	87,316	39.606	ALGER	006153-01	$225.00	$225.00	
3500	151 LAFAYETTE	55	86,843	39.391	CLASSIC	006154-01	$225.00	$225.00	
3501	151 LAFAYETTE	55	86,832	39.386	CHAMPION	006155-01	$225.00	$225.00	
3502	151 LAFAYETTE	55	86,954	39.442	ALGER	006156-01	$225.00	$225.00	
3503	151 LAFAYETTE	55	86,647	39.302	CHAMPION	006157-01	$225.00	$225.00	
3504	151 LAFAYETTE	55	86,755	39.351	CHAMPION	006158-01	$225.00	$225.00	
3505	151 LAFAYETTE	56	87,999	39.916	CHAMPION	006159-01	$225.00	$225.00	
3506	36555 ECORSE	55	87,141	39.527	JP GRAHAM	20898	$270.00	$270.00	
3507	36555 ECORSE	55	87,069	39.494	JP GRAHAM	20899	$270.00	$270.00	
3508	36555 ECORSE	55	86,711	39.331	JP GRAHAM	20927	$270.00	$270.00	
3509	36555 ECORSE	55	86,930	39.431	JP GRAHAM	20928	$270.00	$270.00	
3510	36555 ECORSE	55	87,122	39.518	JP GRAHAM	21388	$270.00	$270.00	

	A	B	C	D	E	F	G
3511	BAR6566	357/8014A	14-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	14-Jan-14
3512	BAR6570	357/8014A	14-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	14-Jan-14
3513	BAR6574	357/8014	14-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	14-Jan-14
3514	BAR6560	92/92A	14-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	14-Jan-14
3515	BAR6565	92/92A	14-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	14-Jan-14
3516	BAR6571	92/92A	14-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	14-Jan-14
3517	BAR6576	92/92A	14-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	14-Jan-14
3518	BAR6559	670/670A	14-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	14-Jan-14
3519	BAR6564	670/670A	14-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	14-Jan-14
3520	BAR6569	670/670A	14-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	14-Jan-14
3521	BAR6575	670/670A	14-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	14-Jan-14
3522	BAR6558	200/11909	14-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	14-Jan-14
3523	BAR6563	200/11909	14-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	14-Jan-14
3524	BAR6568	200/11909	14-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	14-Jan-14
3525	BAR6572	200/11909	14-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	14-Jan-14
3526	BAR5364	924/880	15-Jan-14	13542 HELEN	ABCQ	TBAR	15-Jan-14
3527	BAR5365	6/6B	15-Jan-14	13542 HELEN	ABCQ	TBAR	15-Jan-14
3528	BAR6953	924/880	15-Jan-14	6490 LYNCH	ABCQ	TBAR	15-Jan-14
3529	BAR6954	924/880	15-Jan-14	6490 LYNCH	ABCQ	TBAR	15-Jan-14
3530	BAR6955	6/6B	15-Jan-14	6490 LYNCH	ABCQ	TBAR	15-Jan-14
3531	BAR6956	1/5428	15-Jan-14	6490 LYNCH	ABCQ	TBAR	15-Jan-14
3532	BAR6957	33/611A/B	15-Jan-14	6490 LYNCH	ABCQ	TBAR	15-Jan-14
3533	BAR6958	194/808	15-Jan-14	6490 LYNCH	ABCQ	TBAR	15-Jan-14
3534	BAR6959	6/6B	15-Jan-14	6490 LYNCH	ABCQ	TBAR	15-Jan-14
3535	BAR6960	1/5428	15-Jan-14	6490 LYNCH	ABCQ	TBAR	15-Jan-14
3536	BAR6961	33/611A/B	15-Jan-14	6490 LYNCH	ABCQ	TBAR	15-Jan-14
3537	BAR6962	194/808	15-Jan-14	6490 LYNCH	ABCQ	TBAR	15-Jan-14
3538	BAR6160	9934/2144	15-Jan-14	26090 23 MILE RD	ABCQ	TBAR	15-Jan-14
3539	BAR6161	711/2138A	15-Jan-14	26090 23 MILE RD	ABCQ	TBAR	15-Jan-14
3540	BAR6162	420/111/112	15-Jan-14	26090 23 MILE RD	ABCQ	TBAR	15-Jan-14
3541	BAR6163	108/2149A	15-Jan-14	26090 23 MILE RD	ABCQ	TBAR	15-Jan-14
3542	BAR6164	413/2137A	15-Jan-14	26090 23 MILE RD	ABCQ	TBAR	15-Jan-14
3543	BAR6165	9934/2144	15-Jan-14	26090 23 MILE RD	ABCQ	TBAR	15-Jan-14
3544	BAR6166	711/2138A	15-Jan-14	26090 23 MILE RD	ABCQ	TBAR	15-Jan-14
3545	BAR6167	108/2140A	15-Jan-14	26090 23 MILE RD	ABCQ	TBAR	15-Jan-14
3546	BAR6168	420/111/112	15-Jan-14	26090 23 MILE RD	ABCQ	TBAR	15-Jan-14
3547	BAR6169	413/2137A	15-Jan-14	26090 23 MILE RD	ABCQ	TBAR	15-Jan-14
3548	BAR6170	9934/2144	15-Jan-14	26090 23 MILE RD	ABCQ	TBAR	15-Jan-14
3549	BAR6171	711/2138A	15-Jan-14	26090 23 MILE RD	ABCQ	TBAR	15-Jan-14
3550	BAR6172	413/2137A	15-Jan-14	26090 23 MILE RD	ABCQ	TBAR	15-Jan-14
3551	BAR6173	420/111/112	15-Jan-14	26090 23 MILE RD	ABCQ	TBAR	15-Jan-14
3552	BAR6174	9934/2144	15-Jan-14	26090 23 MILE RD	ABCQ	TBAR	15-Jan-14
3553	BAR6175	711/2138A	15-Jan-14	26090 23 MILE RD	ABCQ	TBAR	15-Jan-14
3554	BAR6176	413/2137A	15-Jan-14	26090 23 MILE RD	ABCQ	TBAR	15-Jan-14
3555	BAR6177	9934/2144	15-Jan-14	26090 23 MILE RD	ABCQ	TBAR	15-Jan-14

	H	I	J	K	L	M	N	O	P
3511	36555 ECORSE	55	87,192	39.550	JP GRAHAM	21390	$270.00	$270.00	
3512	36555 ECORSE	57	87,755	39.805	JP GRAHAM	21393	$270.00	$270.00	
3513	36555 ECORSE	55	87,191	39.549	JP GRAHAM	21394	$270.00	$270.00	
3514	36555 ECORSE	55	87,259	39.580	JP GRAHAM	21452	$270.00	$270.00	
3515	36555 ECORSE	55	87,568	39.720	JP GRAHAM	21453	$270.00	$270.00	
3516	36555 ECORSE	56	86,783	39.364	JP GRAHAM	21456	$270.00	$270.00	
3517	36555 ECORSE	55	87,199	39.553	JP GRAHAM	21459	$270.00	$270.00	
3518	36555 ECORSE	55	87,343	39.618	JP GRAHAM	21514	$270.00	$270.00	
3519	36555 ECORSE	55	86,950	39.440	JP GRAHAM	21515	$270.00	$270.00	
3520	36555 ECORSE	55	87,061	39.490	JP GRAHAM	21516	$270.00	$270.00	
3521	36555 ECORSE	55	87,119	39.517	JP GRAHAM	21519	$270.00	$270.00	
3522	36555 ECORSE	55	86,732	39.341	JP GRAHAM	22522	$270.00	$270.00	
3523	36555 ECORSE	55	86,987	39.457	JP GRAHAM	22528	$270.00	$270.00	
3524	36555 ECORSE	55	86,816	39.379	JP GRAHAM	22531	$270.00	$270.00	
3525	36555 ECORSE	55	86,728	39.339	JP GRAHAM	22535	$270.00	$270.00	
3526	1200 E. MCNICHOLS AVE.	56	87,705	39.782	CLASSIC	265	$200.00	$200.00	
3527	1200 E. MCNICHOLS AVE.	55	87,007	39.466	CLASSIC	265	$200.00	$200.00	
3528	8650 MT ELLIOTT	55	87,021	39.472	CLASSIC	265	$200.00	$200.00	
3529	8650 MT ELLIOTT	55	86,936	39.434	CLASSIC	265	$200.00	$200.00	
3530	8650 MT ELLIOTT	59	86,590	39.277	CLASSIC	265	$200.00	$200.00	
3531	8650 MT ELLIOTT	58	86,859	39.399	CLASSIC	265	$200.00	$200.00	
3532	8650 MT ELLIOTT	55	87,354	39.623	CLASSIC	265	$200.00	$200.00	
3533	8650 MT ELLIOTT	55	87,010	39.467	CLASSIC	265	$200.00	$200.00	
3534	8650 MT ELLIOTT	55	86,819	39.380	CLASSIC	265	$200.00	$200.00	
3535	8650 MT ELLIOTT	55	86,978	39.453	CLASSIC	265	$200.00	$200.00	
3536	8650 MT ELLIOTT	61	86,859	39.399	CLASSIC	265	$200.00	$200.00	
3537	8650 MT ELLIOTT	57	87,240	39.571	CLASSIC	265	$200.00	$200.00	
3538	151 LAFAYETTE	56	87,991	39.912	CHAMPION	006160-01	$225.00	$225.00	
3539	151 LAFAYETTE	55	87,174	39.542	ALGER	006161-01	$225.00	$225.00	
3540	151 LAFAYETTE	55	86,941	39.436	CHAMPION	006162-01	$225.00	$225.00	
3541	151 LAFAYETTE	55	86,473	39.224	CHAMPION	006163-01	$225.00	$225.00	
3542	151 LAFAYETTE	55	87,107	39.511	CHAMPION	006164-01	$225.00	$225.00	
3543	151 LAFAYETTE	55	86,824	39.383	CHAMPION	006165-01	$225.00	$225.00	
3544	151 LAFAYETTE	55	86,694	39.324	ALGER	006166-01	$225.00	$225.00	
3545	151 LAFAYETTE	57	87,546	39.710	CHAMPION	006167-01	$225.00	$225.00	
3546	151 LAFAYETTE	57	86,957	39.443	CHAMPION	006168-01	$225.00	$225.00	
3547	151 LAFAYETTE	55	87,180	39.544	CHAMPION	006169-01	$225.00	$225.00	
3548	151 LAFAYETTE	56	87,997	39.915	CHAMPION	006170-01	$225.00	$225.00	
3549	151 LAFAYETTE	55	87,100	39.508	ALGER	006171-01	$225.00	$225.00	
3550	151 LAFAYETTE	55	87,058	39.489	CHAMPION	006172-01	$225.00	$225.00	
3551	151 LAFAYETTE	55	87,206	39.556	CHAMPION	006173-01	$225.00	$225.00	
3552	151 LAFAYETTE	59	87,934	39.886	CHAMPION	006174-01	$225.00	$225.00	
3553	151 LAFAYETTE	55	86,814	39.378	ALGER	006175-01	$225.00	$225.00	
3554	151 LAFAYETTE	57	86,700	39.327	CHAMPION	006176-01	$225.00	$225.00	
3555	151 LAFAYETTE	57	87,288	39.593	CHAMPION	006177-01	$225.00	$225.00	

	A	B	C	D	E	F	G
3556	BAR6178	711/2138A	15-Jan-14	26090 23 MILE RD	ABCQ	TBAR	15-Jan-14
3557	BAR6179	413/2137A	15-Jan-14	26090 23 MILE RD	ABCQ	TBAR	15-Jan-14
3558	BAR6586	11091/11091A	15-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	15-Jan-14
3559	BAR6590	11091/11091A	15-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	15-Jan-14
3560	BAR6594	11091/11091A	15-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	15-Jan-14
3561	BAR6591	91/91A	15-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	15-Jan-14
3562	BAR6581	92/92A	15-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	15-Jan-14
3563	BAR6596	91/91A	15-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	15-Jan-14
3564	BAR6585	91/91A	15-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	15-Jan-14
3565	BAR6589	92/92A	15-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	15-Jan-14
3566	BAR6595	92/92A	15-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	15-Jan-14
3567	BAR6580	92/92A	15-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	15-Jan-14
3568	BAR6584	92/92A	15-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	15-Jan-14
3569	BAR6578	670/670A	15-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	15-Jan-14
3570	BAR6582	670/670A	15-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	15-Jan-14
3571	BAR6587	670/670A	15-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	15-Jan-14
3572	BAR6593	670/670A	15-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	15-Jan-14
3573	BAR6579	200/11909	15-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	15-Jan-14
3574	BAR6583	200/11909	15-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	15-Jan-14
3575	BAR6588	200/11909	15-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	15-Jan-14
3576	BAR6592	200/11909	15-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	15-Jan-14
3577	BAR6597	200/11909	15-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	15-Jan-14
3578	BAR5366	924/880	16-Jan-14	13542 HELEN	ABCQ	TBAR	16-Jan-14
3579	BAR5367	194/808	16-Jan-14	13542 HELEN	ABCQ	TBAR	16-Jan-14
3580	BAR6963	924/880	16-Jan-14	6490 LYNCH	ABCQ	TBAR	16-Jan-14
3581	BAR6964	6/6B	16-Jan-14	6490 LYNCH	ABCQ	TBAR	16-Jan-14
3582	BAR6965	1/5428	16-Jan-14	6490 LYNCH	ABCQ	TBAR	16-Jan-14
3583	BAR6966	194/808	16-Jan-14	6490 LYNCH	ABCQ	TBAR	16-Jan-14
3584	BAR6967	33/611A/B	16-Jan-14	6490 LYNCH	ABCQ	TBAR	16-Jan-14
3585	BAR6968	6/6B	16-Jan-14	6490 LYNCH	ABCQ	TBAR	16-Jan-14
3586	BAR6969	924/880	16-Jan-14	6490 LYNCH	ABCQ	TBAR	16-Jan-14
3587	BAR6970	194/808	16-Jan-14	6490 LYNCH	ABCQ	TBAR	16-Jan-14
3588	BAR6971	1/5428	16-Jan-14	6490 LYNCH	ABCQ	TBAR	16-Jan-14
3589	BAR6972	33/611A/B	16-Jan-14	6490 LYNCH	ABCQ	TBAR	16-Jan-14
3590	BAR6180	711/2138A	16-Jan-14	26090 23 MILE RD	ABCQ	TBAR	16-Jan-14
3591	BAR6181	108/2140A	16-Jan-14	26090 23 MILE RD	ABCQ	TBAR	16-Jan-14
3592	BAR6182	9934/2144	16-Jan-14	26090 23 MILE RD	ABCQ	TBAR	16-Jan-14
3593	BAR6183	413/2137A	16-Jan-14	26090 23 MILE RD	ABCQ	TBAR	16-Jan-14
3594	BAR6184	711/2138A	16-Jan-14	26090 23 MILE RD	ABCQ	TBAR	16-Jan-14
3595	BAR6185	108/2140A	16-Jan-14	26090 23 MILE RD	ABCQ	TBAR	16-Jan-14
3596	BAR6186	9934/2144	16-Jan-14	26090 23 MILE RD	ABCQ	TBAR	16-Jan-14
3597	BAR6187	413/2137A	16-Jan-14	26090 23 MILE RD	ABCQ	TBAR	16-Jan-14
3598	BAR6188	711/2138A	16-Jan-14	26090 23 MILE RD	ABCQ	TBAR	16-Jan-14
3599	BAR6189	108/2140A	16-Jan-14	26090 23 MILE RD	ABCQ	TBAR	16-Jan-14
3600	BAR6190	9934/2144	16-Jan-14	26090 23 MILE RD	ABCQ	TBAR	16-Jan-14

	H	I	J	K	L	M	N	O	P
3556	151 LAFAYETTE	55	86,934	39.433	CHAMPION	006178-01	$225.00	$225.00	
3557	151 LAFAYETTE	55	86,489	39.231	CHAMPION	006179-01	$225.00	$225.00	
3558	36555 ECORSE	55	87,088	39.502	JP GRAHAM	20930	$270.00	$270.00	
3559	36555 ECORSE	55	86,812	39.377	JP GRAHAM	20932	$270.00	$270.00	
3560	36555 ECORSE	55	86,908	39.421	JP GRAHAM	20934	$270.00	$270.00	
3561	36555 ECORSE	55	86,754	39.351	JP GRAHAM	21391	$270.00	$270.00	
3562	36555 ECORSE	56	87,835	39.841	JP GRAHAM	21396	$270.00	$270.00	
3563	36555 ECORSE	55	86,671	39.313	JP GRAHAM	21398	$270.00	$270.00	
3564	36555 ECORSE	55	86,951	39.440	JP GRAHAM	21439	$270.00	$270.00	
3565	36555 ECORSE	55	87,097	39.507	JP GRAHAM	21460	$270.00	$270.00	
3566	36555 ECORSE	55	86,824	39.383	JP GRAHAM	21463	$270.00	$270.00	
3567	36555 ECORSE	56	87,977	39.906	JP GRAHAM	21492	$270.00	$270.00	
3568	36555 ECORSE	55	87,129	39.521	JP GRAHAM	21494	$270.00	$270.00	
3569	36555 ECORSE	55	86,936	39.434	JP GRAHAM	21517	$270.00	$270.00	
3570	36555 ECORSE	55	86,992	39.459	JP GRAHAM	21520	$270.00	$270.00	
3571	36555 ECORSE	58	87,151	39.531	JP GRAHAM	21521	$270.00	$270.00	
3572	36555 ECORSE	56	87,094	39.505	JP GRAHAM	21523	$270.00	$270.00	
3573	36555 ECORSE	55	87,050	39.485	JP GRAHAM	22540	$270.00	$270.00	
3574	36555 ECORSE	55	86,893	39.414	JP GRAHAM	22547	$270.00	$270.00	
3575	36555 ECORSE	55	86,706	39.329	JP GRAHAM	22549	$270.00	$270.00	
3576	36555 ECORSE	56	87,930	39.884	JP GRAHAM	22550	$270.00	$270.00	
3577	36555 ECORSE	55	86,880	39.408	JP GRAHAM	22551	$270.00	$270.00	
3578	1200 E MCNICHOLS	55	87,024	39.473	CLASSIC	265	$200.00	$200.00	
3579	1200 E MCNICHOLS	55	86,553	39.260	CLASSIC	265	$200.00	$200.00	
3580	8650 MT ELLIOTT	57	86,653	39.305	CLASSIC	265	$200.00	$200.00	
3581	8650 MT ELLIOTT	58	87,750	39.803	CLASSIC	265	$200.00	$200.00	
3582	8650 MT ELLIOTT	58	86,629	39.294	CLASSIC	265	$200.00	$200.00	
3583	8650 MT ELLIOTT	59	87,014	39.469	CLASSIC	265	$200.00	$200.00	
3584	8650 MT ELLIOTT	59	86,755	39.351	CLASSIC	265	$200.00	$200.00	
3585	8650 MT ELLIOTT	58	87,823	39.836	CLASSIC	265	$200.00	$200.00	
3586	8650 MT ELLIOTT	61	86,587	39.275	CLASSIC	265	$200.00	$200.00	
3587	8650 MT ELLIOTT	59	87,365	39.628	CLASSIC	265	$200.00	$200.00	
3588	8650 MT ELLIOTT	60	86,923	39.428	CLASSIC	265	$200.00	$200.00	
3589	8650 MT ELLIOTT	61	86,666	39.311	CLASSIC	265	$200.00	$200.00	
3590	151 LAFAYETTE	55	87,224	39.564	ALGER	006180-01	$225.00	$225.00	
3591	151 LAFAYETTE	55	86,862	39.400	CHAMPION	006181-01	$225.00	$225.00	
3592	151 LAFAYETTE	55	86,903	39.419	CHAMPION	006182-01	$225.00	$225.00	
3593	151 LAFAYETTE	56	87,966	39.901	CHAMPION	006183-01	$225.00	$225.00	
3594	151 LAFAYETTE	58	86,665	39.311	ALGER	006184-01	$225.00	$225.00	
3595	151 LAFAYETTE	58	86,579	39.272	CHAMPION	006185-01	$225.00	$225.00	
3596	151 LAFAYETTE	56	87,806	39.828	CHAMPION	006186-01	$225.00	$225.00	
3597	151 LAFAYETTE	55	86,986	39.456	CHAMPION	006187-01	$225.00	$225.00	
3598	151 LAFAYETTE	55	86,663	39.310	ALGER	006188-01	$225.00	$225.00	
3599	151 LAFAYETTE	56	87,975	39.905	CHAMPION	006189-01	$225.00	$225.00	
3600	151 LAFAYETTE	56	87,724	39.791	CHAMPION	006190-01	$225.00	$225.00	

	A	B	C	D	E	F	G
3601	BAR6191	413/2137A	16-Jan-14	26090 23 MILE RD	ABCQ	TBAR	16-Jan-14
3602	BAR6192	711/2138A	16-Jan-14	26090 23 MILE RD	ABCQ	TBAR	16-Jan-14
3603	BAR6193	108/2140A	16-Jan-14	26090 23 MILE RD	ABCQ	TBAR	16-Jan-14
3604	BAR6194	9934/2144	16-Jan-14	26090 23 MILE RD	ABCQ	TBAR	16-Jan-14
3605	BAR6195	413/2137A	16-Jan-14	26090 23 MILE RD	ABCQ	TBAR	16-Jan-14
3606	BAR6196	711/2138A	16-Jan-14	26090 23 MILE RD	ABCQ	TBAR	16-Jan-14
3607	BAR6197	108/2140A	16-Jan-14	26090 23 MILE RD	ABCQ	TBAR	16-Jan-14
3608	BAR6198	413/2137A	16-Jan-14	26090 23 MILE RD	ABCQ	TBAR	16-Jan-14
3609	BAR6199	9934/2144	16-Jan-14	26090 23 MILE RD	ABCQ	TBAR	16-Jan-14
3610	BAR6602	11091/11091A	16-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	16-Jan-14
3611	BAR6607	11091/11091A	16-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	16-Jan-14
3612	BAR6613	11091/11091A	16-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	16-Jan-14
3613	BAR6600	91/91A	16-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	16-Jan-14
3614	BAR6604	91/91A	16-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	16-Jan-14
3615	BAR6609	91/91A	16-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	16-Jan-14
3616	BAR6614	91/91A	16-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	16-Jan-14
3617	BAR6599	92/92A	16-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	16-Jan-14
3618	BAR6605	92/92A	16-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	16-Jan-14
3619	BAR6610	92/92A	16-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	16-Jan-14
3620	BAR6616	92/92A	16-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	16-Jan-14
3621	BAR6601	670/670A	16-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	16-Jan-14
3622	BAR6606	670/670A	16-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	16-Jan-14
3623	BAR6611	670/670A	16-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	16-Jan-14
3624	BAR6615	670/670A	16-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	16-Jan-14
3625	BAR6598	200/11909	16-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	16-Jan-14
3626	BAR6603	200/11909	16-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	16-Jan-14
3627	BAR6608	200/11909	16-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	16-Jan-14
3628	BAR6612	200/11909	16-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	16-Jan-14
3629	BAR6617	200/11909	16-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	16-Jan-14
3630	BAR5368LTL	924/880	17-Jan-14	13542 HELEN	ABCQ	TBAR	17-Jan-14
3631	BAR6973	924/880	17-Jan-14	6490 LYNCH	ABCQ	TBAR	17-Jan-14
3632	BAR6974	194/2112	17-Jan-14	6490 LYNCH	ABCQ	TBAR	17-Jan-14
3633	BAR6975	6/6B	17-Jan-14	6490 LYNCH	ABCQ	TBAR	17-Jan-14
3634	BAR6976	1/5428	17-Jan-14	6490 LYNCH	ABCQ	TBAR	17-Jan-14
3635	BAR6977	194/2112	17-Jan-14	6490 LYNCH	ABCQ	TBAR	17-Jan-14
3636	BAR6978	6/6B	17-Jan-14	6490 LYNCH	ABCQ	TBAR	17-Jan-14
3637	BAR6979	924/880	17-Jan-14	6490 LYNCH	ABCQ	TBAR	17-Jan-14
3638	BAR6980	1/5428	17-Jan-14	6490 LYNCH	ABCQ	TBAR	17-Jan-14
3639	BAR6981	33/611A/B	17-Jan-14	6490 LYNCH	ABCQ	TBAR	17-Jan-14
3640	BAR6982	33/611A/B	17-Jan-14	6490 LYNCH	ABCQ	TBAR	17-Jan-14
3641	BAR6200	111/2150A	17-Jan-14	26090 23 MILE RD	ABCQ	TBAR	17-Jan-14
3642	BAR6201	9934/2144	17-Jan-14	26090 23 MILE RD	ABCQ	TBAR	17-Jan-14
3643	BAR6202	711/2138A	17-Jan-14	26090 23 MILE RD	ABCQ	TBAR	17-Jan-14
3644	BAR6203	413/2137A	17-Jan-14	26090 23 MILE RD	ABCQ	TBAR	17-Jan-14
3645	BAR6204	111/2150A	17-Jan-14	26090 23 MILE RD	ABCQ	TBAR	17-Jan-14

	H	I	J	K	L	M	N	O	P
3601	151 LAFAYETTE	55	86,699	39.326	CHAMPION	006191-01	$225.00	$225.00	
3602	151 LAFAYETTE	55	87,158	39.534	ALGER	006192-01	$225.00	$225.00	
3603	151 LAFAYETTE	56	86,686	39.320	CHAMPION	006193-01	$225.00	$225.00	
3604	151 LAFAYETTE	57	87,239	39.571	CHAMPION	006194-01	$225.00	$225.00	
3605	151 LAFAYETTE	55	86,815	39.379	CHAMPION	006195-01	$225.00	$225.00	
3606	151 LAFAYETTE	55	87,029	39.476	ALGER	006196-01	$225.00	$225.00	
3607	151 LAFAYETTE	55	86,610	39.286	CHAMPION	006197-01	$225.00	$225.00	
3608	151 LAFAYETTE	55	86,674	39.315	CHAMPION	006198-01	$225.00	$225.00	
3609	151 LAFAYETTE	58	87,311	39.604	CHAMPION	006199-01	$225.00	$225.00	
3610	36555 ECORSE	56	87,840	39.844	JP GRAHAM	20966	$270.00	$270.00	
3611	36555 ECORSE	55	86,574	39.269	JP GRAHAM	20969	$270.00	$270.00	
3612	36555 ECORSE	55	86,625	39.292	JP GRAHAM	20971	$270.00	$270.00	
3613	36555 ECORSE	55	86,765	39.356	JP GRAHAM	21419	$270.00	$270.00	
3614	36555 ECORSE	55	87,083	39.500	JP GRAHAM	21421	$270.00	$270.00	
3615	36555 ECORSE	55	87,233	39.568	JP GRAHAM	21429	$270.00	$270.00	
3616	36555 ECORSE	55	87,106	39.511	JP GRAHAM	21429	$270.00	$270.00	
3617	36555 ECORSE	55	86,932	39.432	JP GRAHAM	21464	$270.00	$270.00	
3618	36555 ECORSE	55	86,553	39.260	JP GRAHAM	21465	$270.00	$270.00	
3619	36555 ECORSE	55	87,279	39.589	JP GRAHAM	21466	$270.00	$270.00	
3620	36555 ECORSE	55	86,701	39.327	JP GRAHAM	21468	$270.00	$270.00	
3621	36555 ECORSE	59	87,540	39.708	JP GRAHAM	21525	$270.00	$270.00	
3622	36555 ECORSE	55	86,564	39.265	JP GRAHAM	21526	$270.00	$270.00	
3623	36555 ECORSE	55	87,300	39.599	JP GRAHAM	21527	$270.00	$270.00	
3624	36555 ECORSE	55	87,302	39.600	JP GRAHAM	21530	$270.00	$270.00	
3625	36555 ECORSE	58	87,427	39.656	JP GRAHAM	22554	$270.00	$270.00	
3626	36555 ECORSE	55	86,605	39.283	JP GRAHAM	22557	$270.00	$270.00	
3627	36555 ECORSE	55	86,779	39.362	JP GRAHAM	22561	$270.00	$270.00	
3628	36555 ECORSE	55	86,964	39.446	JP GRAHAM	22562	$270.00	$270.00	
3629	36555 ECORSE	57	86,834	39.387	JP GRAHAM	22564	$270.00	$270.00	
3630	1200 E MCNICHOLS	13	20,509	9.303	CLASSIC	265	$200.00	$200.00	
3631	8650 MT ELLIOTT	56	87,022	39.473	CLASSIC	265	$200.00	$200.00	
3632	8650 MT ELLIOTT	55	86,919	39.426	CLASSIC	265	$200.00	$200.00	
3633	8650 MT ELLIOTT	55	86,758	39.353	CLASSIC	265	$200.00	$200.00	
3634	8650 MT ELLIOTT	55	86,929	39.430	CLASSIC	265	$200.00	$200.00	
3635	8650 MT ELLIOTT	55	86,778	39.362	CLASSIC	265	$200.00	$200.00	
3636	8650 MT ELLIOTT	55	86,900	39.417	CLASSIC	265	$200.00	$200.00	
3637	8650 MT ELLIOTT	55	86,753	39.351	CLASSIC	265	$200.00	$200.00	
3638	8650 MT ELLIOTT	55	86,870	39.404	CLASSIC	265	$200.00	$200.00	
3639	8650 MT ELLIOTT	55	86,806	39.375	CLASSIC	265	$200.00	$200.00	
3640	8650 MT ELLIOTT	55	86,730	39.340	CLASSIC	265	$200.00	$200.00	
3641	151 LAFAYETTE	58	87,987	39.910	CHAMPION	006200-01	$225.00	$225.00	
3642	151 LAFAYETTE	58	86,893	39.414	CHAMPION	006201-01	$225.00	$225.00	
3643	151 LAFAYETTE	55	87,016	39.470	ALGER	006202-01	$225.00	$225.00	
3644	151 LAFAYETTE	55	87,010	39.467	CHAMPION	006203-01	$225.00	$225.00	
3645	151 LAFAYETTE	56	87,652	39.758	CHAMPION	006204-01	$225.00	$225.00	

	A	B	C	D	E	F	G
3646	BAR6205	9934/2144	17-Jan-14	26090 23 MILE RD	ABCQ	TBAR	17-Jan-14
3647	BAR6206	711/2138A	17-Jan-14	26090 23 MILE RD	ABCQ	TBAR	17-Jan-14
3648	BAR6207	413/2137A	17-Jan-14	26090 23 MILE RD	ABCQ	TBAR	17-Jan-14
3649	BAR6208	111/2150A	17-Jan-14	26090 23 MILE RD	ABCQ	TBAR	17-Jan-14
3650	BAR6209	9934/2144	17-Jan-14	26090 23 MILE RD	ABCQ	TBAR	17-Jan-14
3651	BAR6210	711/2138A	17-Jan-14	26090 23 MILE RD	ABCQ	TBAR	17-Jan-14
3652	BAR6211	413/2137A	17-Jan-14	26090 23 MILE RD	ABCQ	TBAR	17-Jan-14
3653	BAR6212	111/2150A	17-Jan-14	26090 23 MILE RD	ABCQ	TBAR	17-Jan-14
3654	BAR6213	9934/2144	17-Jan-14	26090 23 MILE RD	ABCQ	TBAR	17-Jan-14
3655	BAR6214	711/2138A	17-Jan-14	26090 23 MILE RD	ABCQ	TBAR	17-Jan-14
3656	BAR6215	413/2137A	17-Jan-14	26090 23 MILE RD	ABCQ	TBAR	17-Jan-14
3657	BAR6216	111/2150A	17-Jan-14	26090 23 MILE RD	ABCQ	TBAR	17-Jan-14
3658	BAR6217	9934/2144	17-Jan-14	26090 23 MILE RD	ABCQ	TBAR	17-Jan-14
3659	BAR6218	711/2138A	17-Jan-14	26090 23 MILE RD	ABCQ	TBAR	17-Jan-14
3660	BAR6219	413/2137A	17-Jan-14	26090 23 MILE RD	ABCQ	TBAR	17-Jan-14
3661	BAR6220	111/2150A	17-Jan-14	26090 23 MILE RD	ABCQ	TBAR	17-Jan-14
3662	BAR6626	11091/11091A	17-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	17-Jan-14
3663	BAR6630	11091/11091A	17-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	17-Jan-14
3664	BAR6619	91/91A	17-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	17-Jan-14
3665	BAR6622	91/91A	17-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	17-Jan-14
3666	BAR6625	91/91A	17-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	17-Jan-14
3667	BAR6631	91/91A	17-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	17-Jan-14
3668	BAR6620	92/92A	17-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	17-Jan-14
3669	BAR6623	92/92A	17-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	17-Jan-14
3670	BAR6633	92/92A	17-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	17-Jan-14
3671	BAR6628	92/92A	17-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	17-Jan-14
3672	BAR6618	670/670A	17-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	17-Jan-14
3673	BAR6624	670/670A	17-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	17-Jan-14
3674	BAR6627	670/670A	17-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	17-Jan-14
3675	BAR6632	670/670A	17-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	17-Jan-14
3676	BAR6621	200/11909	17-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	17-Jan-14
3677	BAR6629	200/11909	17-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	17-Jan-14
3678	BAR6634	200/11909	17-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	17-Jan-14
3679	BAR5615	880	21-Jan-14	6307 WEST FORT ST	ABCQ	TBAR	21-Jan-14
3680	BAR6983	924/880	21-Jan-14	6490 LYNCH	ABCQ	TBAR	21-Jan-14
3681	BAR6984	194	21-Jan-14	6490 LYNCH	ABCQ	TBAR	21-Jan-14
3682	BAR6985	1/5428	21-Jan-14	6490 LYNCH	ABCQ	TBAR	21-Jan-14
3683	BAR6986	6/6B	21-Jan-14	6490 LYNCH	ABCQ	TBAR	21-Jan-14
3684	BAR6221	9934/2144	21-Jan-14	26090 23 MILE RD	ABCQ	TBAR	21-Jan-14
3685	BAR6222	711/2138A	21-Jan-14	26090 23 MILE RD	ABCQ	TBAR	21-Jan-14
3686	BAR6223	111/2150A	21-Jan-14	26090 23 MILE RD	ABCQ	TBAR	21-Jan-14
3687	BAR6224	9934/2144	21-Jan-14	26090 23 MILE RD	ABCQ	TBAR	21-Jan-14
3688	BAR6225	711/2138A	21-Jan-14	26090 23 MILE RD	ABCQ	TBAR	21-Jan-14
3689	BAR6226	111/2150A	21-Jan-14	26090 23 MILE RD	ABCQ	TBAR	21-Jan-14
3690	BAR6227	108/2140A	21-Jan-14	26090 23 MILE RD	ABCQ	TBAR	21-Jan-14

	H	I	J	K	L	M	N	O	P
3646	151 LAFAYETTE	55	86,665	39.311	CHAMPION	006205-01	$225.00	$225.00	
3647	151 LAFAYETTE	55	86,995	39.460	ALGER	006206-01	$225.00	$225.00	
3648	151 LAFAYETTE	55	87,046	39.483	CHAMPION	006207-01	$225.00	$225.00	
3649	151 LAFAYETTE	58	87,765	39.810	CHAMPION	006208-01	$225.00	$225.00	
3650	151 LAFAYETTE	55	87,125	39.519	CHAMPION	006209-01	$225.00	$225.00	
3651	151 LAFAYETTE	55	86,991	39.459	ALGER	006210-01	$225.00	$225.00	
3652	151 LAFAYETTE	55	86,998	39.462	CHAMPION	006211-01	$225.00	$225.00	
3653	151 LAFAYETTE	55	86,871	39.404	CHAMPION	006212-01	$225.00	$225.00	
3654	151 LAFAYETTE	56	87,967	39.901	CHAMPION	006213-01	$225.00	$225.00	
3655	151 LAFAYETTE	55	86,727	39.339	ALGER	006214-01	$225.00	$225.00	
3656	151 LAFAYETTE	56	87,946	39.892	CHAMPION	006215-01	$225.00	$225.00	
3657	151 LAFAYETTE	59	87,113	39.514	CHAMPION	006216-01	$225.00	$225.00	
3658	151 LAFAYETTE	55	86,807	39.375	CHAMPION	006217-01	$225.00	$225.00	
3659	151 LAFAYETTE	55	86,565	39.265	ALGER	006218-01	$225.00	$225.00	
3660	151 LAFAYETTE	55	86,457	39.216	CHAMPION	006219-01	$225.00	$225.00	
3661	151 LAFAYETTE	55	86,765	39.356	CHAMPION	006220-01	$225.00	$225.00	
3662	36555 ECORSE	56	87,029	39.476	JP GRAHAM	20976	$270.00	$270.00	
3663	36555 ECORSE	55	86,689	39.322	JP GRAHAM	20980	$270.00	$270.00	
3664	36555 ECORSE	55	86,553	39.260	JP GRAHAM	21330.01	$270.00	$270.00	
3665	36555 ECORSE	55	87,311	39.604	JP GRAHAM	21434	$270.00	$270.00	
3666	36555 ECORSE	58	87,965	39.900	JP GRAHAM	21435	$270.00	$270.00	
3667	36555 ECORSE	56	87,449	39.666	JP GRAHAM	21442	$270.00	$270.00	
3668	36555 ECORSE	56	87,963	39.899	JP GRAHAM	21469	$270.00	$270.00	
3669	36555 ECORSE	55	86,612	39.287	JP GRAHAM	21480	$270.00	$270.00	
3670	36555 ECORSE	55	86,732	39.341	JP GRAHAM	21486	$270.00	$270.00	
3671	36555 ECORSE	55	86,874	39.405	JP GRAHAM	21489	$270.00	$270.00	
3672	36555 ECORSE	57	86,471	39.223	JP GRAHAM	21532	$270.00	$270.00	
3673	36555 ECORSE	56	87,215	39.560	JP GRAHAM	21534	$270.00	$270.00	
3674	36555 ECORSE	57	86,830	39.385	JP GRAHAM	21535	$270.00	$270.00	
3675	36555 ECORSE	58	87,871	39.858	JP GRAHAM	21537	$270.00	$270.00	
3676	36555 ECORSE	55	86,635	39.297	JP GRAHAM	22566	$270.00	$270.00	
3677	36555 ECORSE	55	86,713	39.332	JP GRAHAM	22568	$270.00	$270.00	
3678	36555 ECORSE	56	87,801	39.826	JP GRAHAM	22569	$270.00	$270.00	
3679	4815 CABOT	55	86,915	39.424	CLASSIC	266	$200.00	$200.00	
3680	8650 MT ELLIOTT	55	86,724	39.337	CLASSIC	266	$200.00	$200.00	
3681	8650 MT ELLIOTT	55	86,801	39.372	CLASSIC	266	$200.00	$200.00	
3682	8650 MT ELLIOTT	47	74,152	33.635	CLASSIC	266	$200.00	$200.00	
3683	160 VISGER	55	86,632	39.296	CLASSIC	266	$200.00	$200.00	
3684	151 LAFAYETTE	55	86,717	39.334	CHAMPION	006221-01	$225.00	$225.00	
3685	151 LAFAYETTE	55	87,404	39.646	ALGER	006222-01	$225.00	$225.00	
3686	151 LAFAYETTE	56	87,609	39.739	CHAMPION	006223-01	$225.00	$225.00	
3687	151 LAFAYETTE	55	86,956	39.443	CHAMPION	006224-01	$225.00	$225.00	
3688	151 LAFAYETTE	55	86,545	39.256	ALGER	006225-01	$225.00	$225.00	
3689	151 LAFAYETTE	55	86,942	39.436	CHAMPION	006226-01	$225.00	$225.00	
3690	151 LAFAYETTE	56	87,907	39.874	CHAMPION	006227-01	$225.00	$225.00	

	A	B	C	D	E	F	G
3691	BAR6228	9934/2144	21-Jan-14	26090 23 MILE RD	ABCQ	TBAR	21-Jan-14
3692	BAR6229	711/2138A	21-Jan-14	26090 23 MILE RD	ABCQ	TBAR	21-Jan-14
3693	BAR6230	111/2150A	21-Jan-14	26090 23 MILE RD	ABCQ	TBAR	21-Jan-14
3694	BAR6231	108/2140A	21-Jan-14	26090 23 MILE RD	ABCQ	TBAR	21-Jan-14
3695	BAR6232	9934/2144	21-Jan-14	26090 23 MILE RD	ABCQ	TBAR	21-Jan-14
3696	BAR6233	711/2138A	21-Jan-14	26090 23 MILE RD	ABCQ	TBAR	21-Jan-14
3697	BAR6234	111/2150A	21-Jan-14	26090 23 MILE RD	ABCQ	TBAR	21-Jan-14
3698	BAR6235	108/2140A	21-Jan-14	26090 23 MILE RD	ABCQ	TBAR	21-Jan-14
3699	BAR6236	9934/2144	21-Jan-14	26090 23 MILE RD	ABCQ	TBAR	21-Jan-14
3700	BAR6237	711/2138A	21-Jan-14	26090 23 MILE RD	ABCQ	TBAR	21-Jan-14
3701	BAR6238	111/2150A	21-Jan-14	26090 23 MILE RD	ABCQ	TBAR	21-Jan-14
3702	BAR6239	108/2140A	21-Jan-14	26090 23 MILE RD	ABCQ	TBAR	21-Jan-14
3703	BAR6240	9934/2144	21-Jan-14	26090 23 MILE RD	ABCQ	TBAR	21-Jan-14
3704	BAR6987	33/611A/B	21-Jan-14	6490 LYNCH	ABCQ	TBAR	21-Jan-14
3705	BAR6988	194	21-Jan-14	6490 LYNCH	ABCQ	TBAR	21-Jan-14
3706	BAR6989	1/5428	21-Jan-14	6490 LYNCH	ABCQ	TBAR	21-Jan-14
3707	BAR6990	6/6B	21-Jan-14	6490 LYNCH	ABCQ	TBAR	21-Jan-14
3708	BAR6991	194	21-Jan-14	6490 LYNCH	ABCQ	TBAR	21-Jan-14
3709	BAR6992	33/611A/B	21-Jan-14	6490 LYNCH	ABCQ	TBAR	21-Jan-14
3710	BAR6993	924/880	21-Jan-14	6490 LYNCH	ABCQ	TBAR	21-Jan-14
3711	BAR6635	11091/11091A	21-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	21-Jan-14
3712	BAR6636	92/92A	21-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	21-Jan-14
3713	BAR6637	670/670A	21-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	21-Jan-14
3714	BAR6651	509/885	21-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	21-Jan-14
3715	BAR6642	7010/291	21-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	21-Jan-14
3716	BAR6647	7010/291	21-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	21-Jan-14
3717	BAR6646	11091/11091A	21-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	21-Jan-14
3718	BAR6649	11091/11091A	21-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	21-Jan-14
3719	BAR6654	11091/11091A	21-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	21-Jan-14
3720	BAR6639	92/92A	21-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	21-Jan-14
3721	BAR6643	92/92A	21-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	21-Jan-14
3722	BAR6653	92/92A	21-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	21-Jan-14
3723	BAR6640	200/11909	21-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	21-Jan-14
3724	BAR6644	200/11909	21-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	21-Jan-14
3725	BAR6648	200/11909	21-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	21-Jan-14
3726	BAR6652	200/11909	21-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	21-Jan-14
3727	BAR6638	670/670A	21-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	21-Jan-14
3728	BAR6641	670/670A	21-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	21-Jan-14
3729	BAR6645	670/670A	21-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	21-Jan-14
3730	BAR6650	670/670A	21-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	21-Jan-14
3731	BAR5616	880	22-Jan-14	6307 WEST FORT ST	ABCQ	TBAR	22-Jan-14
3732	BAR5617	2112	22-Jan-14	6307 WEST FORT ST	ABCQ	TBAR	22-Jan-14
3733	BAR6241	108/2140A	22-Jan-14	26090 23 MILE RD	ABCQ	TBAR	22-Jan-14
3734	BAR6242	711/2138A	22-Jan-14	26090 23 MILE RD	ABCQ	TBAR	22-Jan-14
3735	BAR6243	9934/2144	22-Jan-14	26090 23 MILE RD	ABCQ	TBAR	22-Jan-14

	H	I	J	K	L	M	N	O	P
3691	151 LAFAYETTE	55	86,743	39.348	CHAMPION	006228-01	$225.00	$225.00	
3692	151 LAFAYETTE	55	87,174	39.542	ALGER	006229-01	$225.00	$225.00	
3693	151 LAFAYETTE	55	86,932	39.432	CHAMPION	006230-01	$225.00	$225.00	
3694	151 LAFAYETTE	55	86,435	39.206	CHAMPION	006231-01	$225.00	$225.00	
3695	151 LAFAYETTE	55	86,774	39.360	CHAMPION	006232-01	$225.00	$225.00	
3696	151 LAFAYETTE	58	87,360	39.626	ALGER	006233-01	$225.00	$225.00	
3697	151 LAFAYETTE	56	87,880	39.862	CHAMPION	006234-01	$225.00	$225.00	
3698	151 LAFAYETTE	55	86,611	39.286	CHAMPION	006235-01	$225.00	$225.00	
3699	151 LAFAYETTE	54	85,660	38.855	CHAMPION	006236-01	$225.00	$225.00	
3700	151 LAFAYETTE	55	87,180	39.544	ALGER	006237-01	$225.00	$225.00	
3701	151 LAFAYETTE	55	87,145	39.528	CHAMPION	006238-01	$225.00	$225.00	
3702	151 LAFAYETTE	55	86,764	39.356	CHAMPION	006239-01	$225.00	$225.00	
3703	151 LAFAYETTE	55	86,901	39.418	CHAMPION	006240-01	$225.00	$225.00	
3704	160 VISGER	55	86,733	39.341	CLASSIC	266	$240.00	$240.00	
3705	160 VISGER	55	86,670	39.313	CLASSIC	266	$240.00	$240.00	
3706	160 VISGER	55	86,586	39.275	CLASSIC	266	$240.00	$240.00	
3707	160 VISGER	55	86,799	39.371	CLASSIC	266	$240.00	$240.00	
3708	160 VISGER	55	86,897	39.416	CLASSIC	266	$240.00	$240.00	
3709	160 VISGER	55	86,764	39.356	CLASSIC	266	$240.00	$240.00	
3710	160 VISGER	55	86,870	39.404	CLASSIC	266	$240.00	$240.00	
3711	36555 ECORSE	55	86,502	39.237	JP GRAHAM	20981	$270.00	$270.00	
3712	36555 ECORSE	56	87,974	39.904	JP GRAHAM	21484	$270.00	$270.00	
3713	36555 ECORSE	55	86,942	39.436	JP GRAHAM	21539	$270.00	$270.00	
3714	36555 ECORSE	58	87,862	39.854	JP GRAHAM	21974	$270.00	$270.00	
3715	36555 ECORSE	55	87,317	39.606	JP GRAHAM	22075	$270.00	$270.00	
3716	36555 ECORSE	55	86,403	39.192	JP GRAHAM	22076	$270.00	$270.00	
3717	36555 ECORSE	60	87,243	39.573	JP GRAHAM	22088.01	$270.00	$270.00	
3718	36555 ECORSE	56	87,751	39.803	JP GRAHAM	22090	$270.00	$270.00	
3719	36555 ECORSE	55	86,788	39.366	JP GRAHAM	22091	$270.00	$270.00	
3720	36555 ECORSE	55	86,949	39.439	JP GRAHAM	22336.01	$270.00	$270.00	
3721	36555 ECORSE	55	87,164	39.537	JP GRAHAM	22337.01	$270.00	$270.00	
3722	36555 ECORSE	56	87,947	39.892	JP GRAHAM	22349	$270.00	$270.00	
3723	36555 ECORSE	55	86,813	39.378	JP GRAHAM	22570	$270.00	$270.00	
3724	36555 ECORSE	55	87,065	39.492	JP GRAHAM	22572	$270.00	$270.00	
3725	36555 ECORSE	55	86,593	39.278	JP GRAHAM	22573	$270.00	$270.00	
3726	36555 ECORSE	56	87,133	39.523	JP GRAHAM	22575	$270.00	$270.00	
3727	36555 ECORSE	55	86,479	39.226	JP GRAHAM	22639	$270.00	$270.00	
3728	36555 ECORSE	55	86,558	39.262	JP GRAHAM	22641	$270.00	$270.00	
3729	36555 ECORSE	56	87,451	39.667	JP GRAHAM	22643	$270.00	$270.00	
3730	36555 ECORSE	55	86,685	39.320	JP GRAHAM	22644	$270.00	$270.00	
3731	4815 CABOT	55	87,179	39.544	CLASSIC	266	$200.00	$200.00	
3732	4815 CABOT	55	87,339	39.616	CLASSIC	266	$200.00	$200.00	
3733	151 LAFAYETTE	55	86,828	39.385	CHAMPION	006241-01	$225.00	$225.00	
3734	151 LAFAYETTE	55	86,517	39.243	ALGER	006242-01	$225.00	$225.00	
3735	151 LAFAYETTE	55	86,760	39.354	CHAMPION	006243-01	$225.00	$225.00	

	A	B	C	D	E	F	G
3736	BAR6244	413/2137A	22-Jan-14	26090 23 MILE RD	ABCQ	TBAR	22-Jan-14
3737	BAR6245	108/2140A	22-Jan-14	26090 23 MILE RD	ABCQ	TBAR	22-Jan-14
3738	BAR6246	711/2138A	22-Jan-14	26090 23 MILE RD	ABCQ	TBAR	22-Jan-14
3739	BAR6247	9934/2144	22-Jan-14	26090 23 MILE RD	ABCQ	TBAR	22-Jan-14
3740	BAR6248	413/2137A	22-Jan-14	26090 23 MILE RD	ABCQ	TBAR	22-Jan-14
3741	BAR6249	108/2140A	22-Jan-14	26090 23 MILE RD	ABCQ	TBAR	22-Jan-14
3742	BAR6250	711/2138A	22-Jan-14	26090 23 MILE RD	ABCQ	TBAR	22-Jan-14
3743	BAR6251	9934/2144	22-Jan-14	26090 23 MILE RD	ABCQ	TBAR	22-Jan-14
3744	BAR6252	413/2137A	22-Jan-14	26090 23 MILE RD	ABCQ	TBAR	22-Jan-14
3745	BAR6253	108/2140A	22-Jan-14	26090 23 MILE RD	ABCQ	TBAR	22-Jan-14
3746	BAR6254	711/2138A	22-Jan-14	26090 23 MILE RD	ABCQ	TBAR	22-Jan-14
3747	BAR6255	9934/2144	22-Jan-14	26090 23 MILE RD	ABCQ	TBAR	22-Jan-14
3748	BAR6256	413/2137A	22-Jan-14	26090 23 MILE RD	ABCQ	TBAR	22-Jan-14
3749	BAR6257	108/2140A	22-Jan-14	26090 23 MILE RD	ABCQ	TBAR	22-Jan-14
3750	BAR6258	711/2138A	22-Jan-14	26090 23 MILE RD	ABCQ	TBAR	22-Jan-14
3751	BAR6259	9934/2144	22-Jan-14	26090 23 MILE RD	ABCQ	TBAR	22-Jan-14
3752	BAR6260	413/2137A	22-Jan-14	26090 23 MILE RD	ABCQ	TBAR	22-Jan-14
3753	BAR6994	924/880	22-Jan-14	6490 LYNCH	ABCQ	TBAR	22-Jan-14
3754	BAR6995	1/5428	22-Jan-14	6490 LYNCH	ABCQ	TBAR	22-Jan-14
3755	BAR6996	6/6B	22-Jan-14	6490 LYNCH	ABCQ	TBAR	22-Jan-14
3756	BAR6997	33/611A/B	22-Jan-14	6490 LYNCH	ABCQ	TBAR	22-Jan-14
3757	BAR6998	194/2112	22-Jan-14	6490 LYNCH	ABCQ	TBAR	22-Jan-14
3758	BAR6999	1/5428	22-Jan-14	6490 LYNCH	ABCQ	TBAR	22-Jan-14
3759	BAR7000	6/6B	22-Jan-14	6490 LYNCH	ABCQ	TBAR	22-Jan-14
3760	BAR7001	33/611A/B	22-Jan-14	6490 LYNCH	ABCQ	TBAR	22-Jan-14
3761	BAR7002	6/6B	22-Jan-14	6490 LYNCH	ABCQ	TBAR	22-Jan-14
3762	BAR7003	33/611A/B	22-Jan-14	6490 LYNCH	ABCQ	TBAR	22-Jan-14
3763	BAR6657	509/885	22-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	22-Jan-14
3764	BAR8659	509/885	22-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	22-Jan-14
3765	BAR6663	509/885	22-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	22-Jan-14
3766	BAR6667	509/885	22-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	22-Jan-14
3767	BAR6672	509/885	22-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	22-Jan-14
3768	BAR6660	11091/11091A	22-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	22-Jan-14
3769	BAR6664	11091/11091A	22-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	22-Jan-14
3770	BAR6668	11091/11091A	22-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	22-Jan-14
3771	BAR6671	11091/11091A	22-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	22-Jan-14
3772	BAR6658	91/91A	22-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	22-Jan-14
3773	BAR6665	91/91A	22-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	22-Jan-14
3774	BAR6669	91/91A	22-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	22-Jan-14
3775	BAR6662	91/91A	22-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	22-Jan-14
3776	BAR6673	91/91A	22-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	22-Jan-14
3777	BAR6656	200/11909	22-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	22-Jan-14
3778	BAR6661	200/11909	22-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	22-Jan-14
3779	BAR6666	200/11909	22-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	22-Jan-14
3780	BAR6670	200/11909	22-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	22-Jan-14

	H	I	J	K	L	M	N	O	P
3736	151 LAFAYETTE	55	86,594	39.278	CHAMPION	006244-01	$225.00	$225.00	
3737	151 LAFAYETTE	55	86,475	39.224	CHAMPION	006245-01	$225.00	$225.00	
3738	151 LAFAYETTE	56	87,877	39.860	ALGER	006246-01	$225.00	$225.00	
3739	151 LAFAYETTE	55	86,729	39.340	CHAMPION	006247-01	$225.00	$225.00	
3740	151 LAFAYETTE	56	86,693	39.323	CHAMPION	006248-01	$225.00	$225.00	
3741	151 LAFAYETTE	55	86,757	39.352	CHAMPION	006249-01	$225.00	$225.00	
3742	151 LAFAYETTE	55	87,016	39.470	CHAMPION	006250-01	$225.00	$225.00	
3743	151 LAFAYETTE	55	87,169	39.539	CHAMPION	006251-01	$225.00	$225.00	
3744	151 LAFAYETTE	56	87,551	39.713	CHAMPION	006252-01	$225.00	$225.00	
3745	151 LAFAYETTE	56	87,627	39.747	CHAMPION	006253-01	$225.00	$225.00	
3746	151 LAFAYETTE	55	87,194	39.551	ALGER	006254-01	$225.00	$225.00	
3747	151 LAFAYETTE	55	87,069	39.494	CHAMPION	006255-01	$225.00	$225.00	
3748	151 LAFAYETTE	55	86,878	39.407	CHAMPION	006256-01	$225.00	$225.00	
3749	151 LAFAYETTE	56	86,973	39.450	CHAMPION	006257-01	$225.00	$225.00	
3750	151 LAFAYETTE	55	86,777	39.361	ALGER	006258-01	$225.00	$225.00	
3751	151 LAFAYETTE	55	86,871	39.404	CHAMPION	006259-01	$225.00	$225.00	
3752	151 LAFAYETTE	55	87,350	39.621	CHAMPION	006260-01	$225.00	$225.00	
3753	160 VISGER	55	86,808	39.375	CLASSIC	266	$240.00	$240.00	
3754	160 VISGER	56	87,032	39.477	CLASSIC	266	$240.00	$240.00	
3755	160 VISGER	55	86,679	39.317	CLASSIC	266	$240.00	$240.00	
3756	160 VISGER	55	86,768	39.357	CLASSIC	266	$240.00	$240.00	
3757	160 VISGER	55	86,716	39.334	CLASSIC	266	$240.00	$240.00	
3758	160 VISGER	55	86,816	39.379	CLASSIC	266	$240.00	$240.00	
3759	160 VISGER	56	87,992	39.913	CLASSIC	266	$240.00	$240.00	
3760	160 VISGER	55	86,765	39.356	CLASSIC	266	$240.00	$240.00	
3761	160 VISGER	55	87,045	39.483	CLASSIC	266	$240.00	$240.00	
3762	160 VISGER	55	86,852	39.395	CLASSIC	266	$240.00	$240.00	
3763	36555 ECORSE	56	86,506	39.239	JP GRAHAM	21975	$270.00	$270.00	
3764	36555 ECORSE	58	86,554	39.260	JP GRAHAM	21977	$270.00	$270.00	
3765	36555 ECORSE	56	87,818	39.834	JP GRAHAM	21978	$270.00	$270.00	
3766	36555 ECORSE	55	86,892	39.414	JP GRAHAM	21979	$270.00	$270.00	
3767	36555 ECORSE	59	87,945	39.891	JP GRAHAM	21980	$270.00	$270.00	
3768	36555 ECORSE	56	87,362	39.627	JP GRAHAM	22092	$270.00	$270.00	
3769	36555 ECORSE	58	87,159	39.535	JP GRAHAM	22093	$270.00	$270.00	
3770	36555 ECORSE	58	87,900	39.871	JP GRAHAM	22094	$270.00	$270.00	
3771	36555 ECORSE	59	87,448	39.666	JP GRAHAM	22095	$270.00	$270.00	
3772	36555 ECORSE	55	86,478	39.226	JP GRAHAM	22335	$270.00	$270.00	
3773	36555 ECORSE	55	86,503	39.237	JP GRAHAM	22338	$270.00	$270.00	
3774	36555 ECORSE	57	87,781	39.817	JP GRAHAM	22339	$270.00	$270.00	
3775	36555 ECORSE	55	86,919	39.426	JP GRAHAM	22340	$270.00	$270.00	
3776	36555 ECORSE	55	86,433	39.205	JP GRAHAM	22350	$270.00	$270.00	
3777	36555 ECORSE	57	86,666	39.311	JP GRAHAM	22578	$270.00	$270.00	
3778	36555 ECORSE	56	87,921	39.880	JP GRAHAM	22580	$270.00	$270.00	
3779	36555 ECORSE	59	87,927	39.883	JP GRAHAM	22581	$270.00	$270.00	
3780	36555 ECORSE	58	87,963	39.899	JP GRAHAM	22582	$270.00	$270.00	

	A	B	C	D	E	F	G
3781	BAR6655	670/670A	22-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	22-Jan-14
3782	BAR5618	2112	23-Jan-14	6307 WEST FORT ST	ABCQ	TBAR	23-Jan-14
3783	BAR5619	33/611	23-Jan-14	6307 WEST FORT ST	ABCQ	TBAR	23-Jan-14
3784	BAR6261	108/2140A	23-Jan-14	26090 23 MILE RD	ABCQ	TBAR	23-Jan-14
3785	BAR6262	9934/2144	23-Jan-14	26090 23 MILE RD	ABCQ	TBAR	23-Jan-14
3786	BAR6263	711/2138A	23-Jan-14	26090 23 MILE RD	ABCQ	TBAR	23-Jan-14
3787	BAR6264	3140/2133A	23-Jan-14	26090 23 MILE RD	ABCQ	TBAR	23-Jan-14
3788	BAR6265	413/2137A	23-Jan-14	26090 23 MILE RD	ABCQ	TBAR	23-Jan-14
3789	BAR6266	9934/2144	23-Jan-14	26090 23 MILE RD	ABCQ	TBAR	23-Jan-14
3790	BAR6267	108/2140A	23-Jan-14	26090 23 MILE RD	ABCQ	TBAR	23-Jan-14
3791	BAR6268	3140/2133A	23-Jan-14	26090 23 MILE RD	ABCQ	TBAR	23-Jan-14
3792	BAR6269	711/2138A	23-Jan-14	26090 23 MILE RD	ABCQ	TBAR	23-Jan-14
3793	BAR6270	108/2140A	23-Jan-14	26090 23 MILE RD	ABCQ	TBAR	23-Jan-14
3794	BAR6271	413/2137A	23-Jan-14	26090 23 MILE RD	ABCQ	TBAR	23-Jan-14
3795	BAR6272	9934/2144	23-Jan-14	26090 23 MILE RD	ABCQ	TBAR	23-Jan-14
3796	BAR6273	711/2138A	23-Jan-14	26090 23 MILE RD	ABCQ	TBAR	23-Jan-14
3797	BAR6274	3140/2133A	23-Jan-14	26090 23 MILE RD	ABCQ	TBAR	23-Jan-14
3798	BAR6275	413/2137A	23-Jan-14	26090 23 MILE RD	ABCQ	TBAR	23-Jan-14
3799	BAR6276	108/2140A	23-Jan-14	26090 23 MILE RD	ABCQ	TBAR	23-Jan-14
3800	BAR6277	9934/2144	23-Jan-14	26090 23 MILE RD	ABCQ	TBAR	23-Jan-14
3801	BAR6278	711/2138A	23-Jan-14	26090 23 MILE RD	ABCQ	TBAR	23-Jan-14
3802	BAR6279	3140/2133A	23-Jan-14	26090 23 MILE RD	ABCQ	TBAR	23-Jan-14
3803	BAR6280	413/2137A	23-Jan-14	26090 23 MILE RD	ABCQ	TBAR	23-Jan-14
3804	BAR6281	108/2140A	23-Jan-14	26090 23 MILE RD	ABCQ	TBAR	23-Jan-14
3805	BAR6282	9934/2144	23-Jan-14	26090 23 MILE RD	ABCQ	TBAR	23-Jan-14
3806	BAR6283	711/2138A	23-Jan-14	26090 23 MILE RD	ABCQ	TBAR	23-Jan-14
3807	BAR6284	3140/2133A	23-Jan-14	26090 23 MILE RD	ABCQ	TBAR	23-Jan-14
3808	BAR6285	108/2140A	23-Jan-14	26090 23 MILE RD	ABCQ	TBAR	23-Jan-14
3809	BAR7004	093/880	23-Jan-14	6490 LYNCH	ABCQ	TBAR	23-Jan-14
3810	BAR7005	6/6B	23-Jan-14	6490 LYNCH	ABCQ	TBAR	23-Jan-14
3811	BAR7006	093/880	23-Jan-14	6490 LYNCH	ABCQ	TBAR	23-Jan-14
3812	BAR7007	095/17A	23-Jan-14	6490 LYNCH	ABCQ	TBAR	23-Jan-14
3813	BAR7008	194/2112	23-Jan-14	6490 LYNCH	ABCQ	TBAR	23-Jan-14
3814	BAR7009	093/880	23-Jan-14	6490 LYNCH	ABCQ	TBAR	23-Jan-14
3815	BAR7010	33/611A/B	23-Jan-14	6490 LYNCH	ABCQ	TBAR	23-Jan-14
3816	BAR7011	095/17A	23-Jan-14	6490 LYNCH	ABCQ	TBAR	23-Jan-14
3817	BAR7012	194/2112	23-Jan-14	6490 LYNCH	ABCQ	TBAR	23-Jan-14
3818	BAR7013	6/6B	23-Jan-14	6490 LYNCH	ABCQ	TBAR	23-Jan-14
3819	BAR6676	509/885	23-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	23-Jan-14
3820	BAR6675	11091/11091A	23-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	23-Jan-14
3821	BAR6683	11091/11091A	23-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	23-Jan-14
3822	BAR6679	509/885	23-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	23-Jan-14
3823	BAR6684	509/885	23-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	23-Jan-14
3824	BAR6689	11091/11091A	23-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	23-Jan-14
3825	BAR6697	509/885	23-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	23-Jan-14

	H	I	J	K	L	M	N	O	P
3781	36555 ECORSE	56	87,996	39.914	JP GRAHAM	22645	$270.00	$270.00	
3782	4815 CABOT	55	87,051	39.486	CLASSIC	266	$200.00	$200.00	
3783	4815 CABOT	55	87,394	39.641	CLASSIC	266	$200.00	$200.00	
3784	151 LAFAYETTE	55	86,988	39.457	CHAMPION	006261-01	$225.00	$225.00	
3785	151 LAFAYETTE	58	86,702	39.327	CHAMPION	006262-01	$225.00	$225.00	
3786	151 LAFAYETTE	55	87,044	39.483	ALGER	006263-01	$225.00	$225.00	
3787	151 LAFAYETTE	55	87,042	39.482	CHIEFS	006264-01	$225.00	$225.00	
3788	151 LAFAYETTE	56	87,144	39.528	CHAMPION	006265-01	$225.00	$225.00	
3789	151 LAFAYETTE	55	86,619	39.290	CHAMPION	006266-01	$225.00	$225.00	
3790	151 LAFAYETTE	55	86,743	39.346	CHAMPION	006267-01	$225.00	$225.00	
3791	151 LAFAYETTE	55	86,887	39.411	CHIEFS	006268-01	$225.00	$225.00	
3792	151 LAFAYETTE	55	86,832	39.386	ALGER	006269-01	$225.00	$225.00	
3793	151 LAFAYETTE	55	86,736	39.343	CHAMPION	006270-01	$225.00	$225.00	
3794	151 LAFAYETTE	60	86,786	39.366	CHAMPION	006271-01	$225.00	$225.00	
3795	151 LAFAYETTE	58	86,980	39.454	CHAMPION	006272-01	$225.00	$225.00	
3796	151 LAFAYETTE	59	86,686	39.320	ALGER	006273-01	$225.00	$225.00	
3797	151 LAFAYETTE	59	87,003	39.464	CHIEFS	006274-01	$225.00	$225.00	
3798	151 LAFAYETTE	59	86,674	39.315	CHAMPION	006275-01	$225.00	$225.00	
3799	151 LAFAYETTE	55	87,073	39.496	CHAMPION	006276-01	$225.00	$225.00	
3800	151 LAFAYETTE	55	87,215	39.560	CHAMPION	006277-01	$225.00	$225.00	
3801	151 LAFAYETTE	56	87,900	39.871	ALGER	006278-01	$225.00	$225.00	
3802	151 LAFAYETTE	56	87,879	39.861	CHIEFS	006279-01	$225.00	$225.00	
3803	151 LAFAYETTE	55	86,929	39.430	CHAMPION	006280-01	$225.00	$225.00	
3804	151 LAFAYETTE	55	86,722	39.336	CHAMPION	006281-01	$225.00	$225.00	
3805	151 LAFAYETTE	56	87,985	39.909	CHAMPION	006282-01	$225.00	$225.00	
3806	151 LAFAYETTE	57	87,787	39.820	ALGER	006283-01	$225.00	$225.00	
3807	151 LAFAYETTE	58	87,658	39.761	CHIEFS	006284-01	$225.00	$225.00	
3808	151 LAFAYETTE	55	86,674	39.315	CHAMPION	006285-01	$225.00	$225.00	
3809	160 VISGER	56	87,977	39.906	CLASSIC	266	$240.00	$240.00	
3810	160 VISGER	55	86,681	39.318	CLASSIC	266	$240.00	$240.00	
3811	160 VISGER	56	87,788	39.820	CLASSIC	266	$240.00	$240.00	
3812	160 VISGER	55	86,665	39.311	CLASSIC	266	$240.00	$240.00	
3813	160 VISGER	55	86,541	39.254	CLASSIC	266	$240.00	$240.00	
3814	160 VISGER	56	87,696	39.778	CLASSIC	266	$240.00	$240.00	
3815	160 VISGER	57	86,657	39.307	CLASSIC	266	$240.00	$240.00	
3816	160 VISGER	57	86,880	39.408	CLASSIC	266	$240.00	$240.00	
3817	160 VISGER	58	87,600	39.735	CLASSIC	266	$240.00	$240.00	
3818	160 VISGER	55	86,601	39.282	CLASSIC	266	$240.00	$240.00	
3819	36555 ECORSE	56	87,348	39.620	JP GRAHAM	21981	$270.00	$270.00	
3820	36555 ECORSE	57	87,018	39.471	JP GRAHAM	22096	$270.00	$270.00	
3821	36555 ECORSE	56	87,580	39.726	JP GRAHAM	22098	$270.00	$270.00	
3822	36555 ECORSE	55	87,100	39.508	JP GRAHAM	22099	$270.00	$270.00	
3823	36555 ECORSE	55	87,066	39.493	JP GRAHAM	22101	$270.00	$270.00	
3824	36555 ECORSE	57	87,287	39.593	JP GRAHAM	22102	$270.00	$270.00	
3825	36555 ECORSE	55	86,762	39.355	JP GRAHAM	22103	$270.00	$270.00	

	A	B	C	D	E	F	G
3826	BAR6695	11091/11091A	23-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	23-Jan-14
3827	BAR6690	509/885	23-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	23-Jan-14
3828	BAR6677	91/91A	23-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	23-Jan-14
3829	BAR6680	91/91A	23-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	23-Jan-14
3830	BAR6685	91/91A	23-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	23-Jan-14
3831	BAR6686	92/92A	23-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	23-Jan-14
3832	BAR6691	91/91A	23-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	23-Jan-14
3833	BAR6692	92/92A	23-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	23-Jan-14
3834	BAR6696	91/91A	23-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	23-Jan-14
3835	BAR6674	200/11909	23-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	23-Jan-14
3836	BAR6682	200/11909	23-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	23-Jan-14
3837	BAR6693	200/11909	23-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	23-Jan-14
3838	BAR6687	200/11909	23-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	23-Jan-14
3839	BAR6678	670/670A	23-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	23-Jan-14
3840	BAR6681	670/670A	23-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	23-Jan-14
3841	BAR6694	670/670A	23-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	23-Jan-14
3842	BAR6688	670/670A	23-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	23-Jan-14
3843	BAR6286	108/2140A	24-Jan-14	26090 23 MILE RD	ABCQ	TBAR	24-Jan-14
3844	BAR6287	9934/2144	24-Jan-14	26090 23 MILE RD	ABCQ	TBAR	24-Jan-14
3845	BAR6288	711/2138A	24-Jan-14	26090 23 MILE RD	ABCQ	TBAR	24-Jan-14
3846	BAR6289	3140/2133A	24-Jan-14	26090 23 MILE RD	ABCQ	TBAR	24-Jan-14
3847	BAR6290	413/2137A	24-Jan-14	26090 23 MILE RD	ABCQ	TBAR	24-Jan-14
3848	BAR6291	108/2140A	24-Jan-14	26090 23 MILE RD	ABCQ	TBAR	24-Jan-14
3849	BAR6292	9934/2144	24-Jan-14	26090 23 MILE RD	ABCQ	TBAR	24-Jan-14
3850	BAR6293	711/2138A	24-Jan-14	26090 23 MILE RD	ABCQ	TBAR	24-Jan-14
3851	BAR6294	3140/2133A	24-Jan-14	26090 23 MILE RD	ABCQ	TBAR	24-Jan-14
3852	BAR6295	413/2137A	24-Jan-14	26090 23 MILE RD	ABCQ	TBAR	24-Jan-14
3853	BAR6296	108/2140A	24-Jan-14	26090 23 MILE RD	ABCQ	TBAR	24-Jan-14
3854	BAR6297	9934/2144	24-Jan-14	26090 23 MILE RD	ABCQ	TBAR	24-Jan-14
3855	BAR6298	711/2138A	24-Jan-14	26090 23 MILE RD	ABCQ	TBAR	24-Jan-14
3856	BAR6299	3140/2133A	24-Jan-14	26090 23 MILE RD	ABCQ	TBAR	24-Jan-14
3857	BAR6300	413/2137A	24-Jan-14	26090 23 MILE RD	ABCQ	TBAR	24-Jan-14
3858	BAR6301	108/2140A	24-Jan-14	26090 23 MILE RD	ABCQ	TBAR	24-Jan-14
3859	BAR6302	9934/2144	24-Jan-14	26090 23 MILE RD	ABCQ	TBAR	24-Jan-14
3860	BAR6303	711/2138A	24-Jan-14	26090 23 MILE RD	ABCQ	TBAR	24-Jan-14
3861	BAR6304	3140/2133A	24-Jan-14	26090 23 MILE RD	ABCQ	TBAR	24-Jan-14
3862	BAR6305	413/2137A	24-Jan-14	26090 23 MILE RD	ABCQ	TBAR	24-Jan-14
3863	BAR6306	108/2140A	24-Jan-14	26090 23 MILE RD	ABCQ	TBAR	24-Jan-14
3864	BAR6307	9934/2144A	24-Jan-14	26090 23 MILE RD	ABCQ	TBAR	24-Jan-14
3865	BAR6308	711/2138A	24-Jan-14	26090 23 MILE RD	ABCQ	TBAR	24-Jan-14
3866	BAR6309	3140/2133A	24-Jan-14	26090 23 MILE RD	ABCQ	TBAR	24-Jan-14
3867	BAR6310	413/2137A	24-Jan-14	26090 23 MILE RD	ABCQ	TBAR	24-Jan-14
3868	BAR7014	093/880	24-Jan-14	6490 LYNCH	ABCQ	TBAR	24-Jan-14
3869	BAR7015	520/2112	24-Jan-14	6490 LYNCH	ABCQ	TBAR	24-Jan-14
3870	BAR7016	093/880	24-Jan-14	6490 LYNCH	ABCQ	TBAR	24-Jan-14

	H	I	J	K	L	M	N	O	P
3826	36555 ECORSE	58	86,690	39.322	JP GRAHAM	22104	$270.00	$270.00	
3827	36555 ECORSE	55	86,730	39.340	JP GRAHAM	22105	$270.00	$270.00	
3828	36555 ECORSE	55	87,049	39.485	JP GRAHAM	22353	$270.00	$270.00	
3829	36555 ECORSE	56	87,975	39.905	JP GRAHAM	22354	$270.00	$270.00	
3830	36555 ECORSE	55	87,139	39.526	JP GRAHAM	22355	$270.00	$270.00	
3831	36555 ECORSE	57	86,702	39.327	JP GRAHAM	22356	$270.00	$270.00	
3832	36555 ECORSE	55	86,700	39.327	JP GRAHAM	22357	$270.00	$270.00	
3833	36555 ECORSE	56	87,997	39.915	JP GRAHAM	22358	$270.00	$270.00	
3834	36555 ECORSE	56	87,982	39.908	JP GRAHAM	22379	$270.00	$270.00	
3835	36555 ECORSE	55	86,640	39.299	JP GRAHAM	22584	$270.00	$270.00	
3836	36555 ECORSE	56	87,890	39.866	JP GRAHAM	22586	$270.00	$270.00	
3837	36555 ECORSE	55	86,423	39.201	JP GRAHAM	22587	$270.00	$270.00	
3838	36555 ECORSE	55	86,441	39.209	JP GRAHAM	22589	$270.00	$270.00	
3839	36555 ECORSE	55	86,410	39.195	JP GRAHAM	22646	$270.00	$270.00	
3840	36555 ECORSE	57	86,526	39.248	JP GRAHAM	22649	$270.00	$270.00	
3841	36555 ECORSE	55	86,586	39.275	JP GRAHAM	22658	$270.00	$270.00	
3842	36555 ECORSE	59	87,197	39.552	JP GRAHAM	22660	$270.00	$270.00	
3843	151 LAFAYETTE	55	86,679	39.317	CHAMPION	006286-01	$225.00	$225.00	
3844	151 LAFAYETTE	55	86,732	39.341	CHAMPION	006287-01	$225.00	$225.00	
3845	151 LAFAYETTE	55	87,111	39.513	ALGER	006288-01	$225.00	$225.00	
3846	151 LAFAYETTE	57	86,969	39.449	CHIEFS	006289-01	$225.00	$225.00	
3847	151 LAFAYETTE	59	87,187	39.547	CHAMPION	006290-01	$225.00	$225.00	
3848	151 LAFAYETTE	55	86,610	39.286	CHAMPION	006291-01	$225.00	$225.00	
3849	151 LAFAYETTE	56	87,991	39.912	CHAMPION	006292-01	$225.00	$225.00	
3850	151 LAFAYETTE	55	87,733	39.795	ALGER	006293-01	$225.00	$225.00	
3851	151 LAFAYETTE	56	87,903	39.872	CHIEFS	006294-01	$225.00	$225.00	
3852	151 LAFAYETTE	55	86,486	39.229	CHAMPION	006295-01	$225.00	$225.00	
3853	151 LAFAYETTE	55	87,462	39.672	CHAMPION	006296-01	$225.00	$225.00	
3854	151 LAFAYETTE	58	86,536	39.252	CHAMPION	006297-01	$225.00	$225.00	
3855	151 LAFAYETTE	55	86,829	39.385	ALGER	006298-01	$225.00	$225.00	
3856	151 LAFAYETTE	57	87,431	39.658	CHIEFS	006299-01	$225.00	$225.00	
3857	151 LAFAYETTE	60	87,186	39.547	CHAMPION	006300-01	$225.00	$225.00	
3858	151 LAFAYETTE	55	86,932	39.432	CHAMPION	006301-01	$225.00	$225.00	
3859	151 LAFAYETTE	55	86,595	39.279	CHAMPION	006302-01	$225.00	$225.00	
3860	151 LAFAYETTE	54	85,151	38.624	ALGER	006303-01	$225.00	$225.00	
3861	151 LAFAYETTE	55	87,124	39.519	CHIEFS	006304-01	$225.00	$225.00	
3862	151 LAFAYETTE	55	86,739	39.344	CHAMPION	006305-01	$225.00	$225.00	
3863	151 LAFAYETTE	55	86,514	39.242	CHAMPION	006306-01	$225.00	$225.00	
3864	151 LAFAYETTE	55	86,988	39.457	CHAMPION	006307-01	$225.00	$225.00	
3865	151 LAFAYETTE	55	86,907	39.420	ALGER	006308-01	$225.00	$225.00	
3866	151 LAFAYETTE	55	87,169	39.539	CHIEFS	006309-01	$225.00	$225.00	
3867	151 LAFAYETTE	55	86,911	39.422	CHAMPION	006310-01	$225.00	$225.00	
3868	160 VISGER	56	87,837	39.842	CLASSIC	266	$240.00	$240.00	
3869	160 VISGER	55	86,807	39.375	CLASSIC	266	$240.00	$240.00	
3870	160 VISGER	55	86,482	39.228	CLASSIC	266	$240.00	$240.00	

	A	B	C	D	E	F	G
3871	BAR7017	194/203	24-Jan-14	6490 LYNCH	ABCQ	TBAR	24-Jan-14
3872	BAR7018	33/611A/B	24-Jan-14	6490 LYNCH	ABCQ	TBAR	24-Jan-14
3873	BAR7019	520/2112	24-Jan-14	6490 LYNCH	ABCQ	TBAR	24-Jan-14
3874	BAR7020	093/880	24-Jan-14	6490 LYNCH	ABCQ	TBAR	24-Jan-14
3875	BAR7021	194/203	24-Jan-14	6490 LYNCH	ABCQ	TBAR	24-Jan-14
3876	BAR7022	33/611A/B	24-Jan-14	6490 LYNCH	ABCQ	TBAR	24-Jan-14
3877	BAR6703	11091/11091A	24-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	24-Jan-14
3878	BAR6698	509/885	24-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	24-Jan-14
3879	BAR6705	509/885	24-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	24-Jan-14
3880	BAR6709	11091/11091A	24-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	24-Jan-14
3881	BAR6710	509/885	24-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	24-Jan-14
3882	BAR6713	11091/11091A	24-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	24-Jan-14
3883	BAR6715	509/885	24-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	24-Jan-14
3884	BAR6701	91/91A	24-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	24-Jan-14
3885	BAR6704	91/91A	24-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	24-Jan-14
3886	BAR6708	91/91A	24-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	24-Jan-14
3887	BAR6712	91/91A	24-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	24-Jan-14
3888	BAR6718	91/91A	24-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	24-Jan-14
3889	BAR6716	670/670A	24-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	24-Jan-14
3890	BAR6711	670/670A	24-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	24-Jan-14
3891	BAR6706	670/670A	24-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	24-Jan-14
3892	BAR6700	670/670A	24-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	24-Jan-14
3893	BAR6702	92/92A	24-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	24-Jan-14
3894	BAR6699	92/92A	24-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	24-Jan-14
3895	BAR6707	92/92A	24-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	24-Jan-14
3896	BAR6714	92/92A	24-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	24-Jan-14
3897	BAR6717	93/93A	24-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	24-Jan-14
3898	BAR5608	111	27-Jan-14	160 VISGER	ABCQ	TBAR	27-Jan-14
3899	BAR5609	111	27-Jan-14	160 VISGER	ABCQ	TBAR	27-Jan-14
3900	BAR5610	111	27-Jan-14	160 VISGER	ABCQ	TBAR	27-Jan-14
3901	BAR5611	111	27-Jan-14	160 VISGER	ABCQ	TBAR	27-Jan-14
3902	BAR5612	111	27-Jan-14	160 VISGER	ABCQ	TBAR	27-Jan-14
3903	BAR6311	108/2140	27-Jan-14	26090 23 MILE RD	ABCQ	TBAR	27-Jan-14
3904	BAR6312	711/2138A	27-Jan-14	26090 23 MILE RD	ABCQ	TBAR	27-Jan-14
3905	BAR6313	3140/2133A	27-Jan-14	26090 23 MILE RD	ABCQ	TBAR	27-Jan-14
3906	BAR6314	108/2140A	27-Jan-14	26090 23 MILE RD	ABCQ	TBAR	27-Jan-14
3907	BAR6315	711/2138A	27-Jan-14	26090 23 MILE RD	ABCQ	TBAR	27-Jan-14
3908	BAR6316	413/2137A	27-Jan-14	26090 23 MILE RD	ABCQ	TBAR	27-Jan-14
3909	BAR6317	3140/2133A	27-Jan-14	26090 23 MILE RD	ABCQ	TBAR	27-Jan-14
3910	BAR6318	108/2140A	27-Jan-14	26090 23 MILE RD	ABCQ	TBAR	27-Jan-14
3911	BAR6319	711/2138A	27-Jan-14	26090 23 MILE RD	ABCQ	TBAR	27-Jan-14
3912	BAR6320	413/2137A	27-Jan-14	26090 23 MILE RD	ABCQ	TBAR	27-Jan-14
3913	BAR6321	3140/2133A	27-Jan-14	26090 23 MILE RD	ABCQ	TBAR	27-Jan-14
3914	BAR6322	108/2140A	27-Jan-14	26090 23 MILE RD	ABCQ	TBAR	27-Jan-14
3915	BAR6323	711/2138A	27-Jan-14	26090 23 MILE RD	ABCQ	TBAR	27-Jan-14

	H	I	J	K	L	M	N	O	P
3871	160 VISGER	56	87,998	39.915	CLASSIC	266	$240.00	$240.00	
3872	160 VISGER	55	86,775	39.361	CLASSIC	266	$240.00	$240.00	
3873	160 VISGER	55	86,564	39.265	CLASSIC	266	$240.00	$240.00	
3874	160 VISGER	55	86,725	39.338	CLASSIC	266	$240.00	$240.00	
3875	160 VISGER	55	86,596	39.279	CLASSIC	266	$240.00	$240.00	
3876	160 VISGER	55	86,938	39.434	CLASSIC	266	$240.00	$240.00	
3877	36555 ECORSE	56	87,819	39.834	JP GRAHAM	22086	$270.00	$270.00	
3878	36555 ECORSE	56	87,986	39.910	JP GRAHAM	22108	$270.00	$270.00	
3879	36555 ECORSE	55	87,961	39.898	JP GRAHAM	22109	$270.00	$270.00	
3880	36555 ECORSE	56	87,842	39.845	JP GRAHAM	22111	$270.00	$270.00	
3881	36555 ECORSE	55	86,664	39.310	JP GRAHAM	22112	$270.00	$270.00	
3882	36555 ECORSE	55	86,440	39.209	JP GRAHAM	22114	$270.00	$270.00	
3883	36555 ECORSE	57	87,904	39.873	JP GRAHAM	22117	$270.00	$270.00	
3884	36555 ECORSE	55	86,570	39.268	JP GRAHAM	22424	$270.00	$270.00	
3885	36555 ECORSE	55	86,532	39.250	JP GRAHAM	22426	$270.00	$270.00	
3886	36555 ECORSE	55	86,463	39.219	JP GRAHAM	22429	$270.00	$270.00	
3887	36555 ECORSE	56	87,725	39.791	JP GRAHAM	22430	$270.00	$270.00	
3888	36555 ECORSE	57	86,920	39.426	JP GRAHAM	22433	$270.00	$270.00	
3889	36555 ECORSE	55	86,801	39.372	JP GRAHAM	22650	$270.00	$270.00	
3890	36555 ECORSE	55	86,525	39.247	JP GRAHAM	22653	$270.00	$270.00	
3891	36555 ECORSE	55	86,534	39.251	JP GRAHAM	22654	$270.00	$270.00	
3892	36555 ECORSE	56	86,929	39.430	JP GRAHAM	22656	$270.00	$270.00	
3893	36555 ECORSE	58	87,287	39.593	JP GRAHAM	23388	$270.00	$270.00	
3894	36555 ECORSE	57	87,428	39.657	JP GRAHAM	23389	$270.00	$270.00	
3895	36555 ECORSE	56	87,979	39.907	JP GRAHAM	23391	$270.00	$270.00	
3896	36555 ECORSE	57	87,966	39.901	JP GRAHAM	23392	$270.00	$270.00	
3897	36555 ECORSE	56	87,794	39.823	JP GRAHAM				
3898	308 ANTOINE ST N	55	87,286	39.592	CHAMPION	005608-01	$215.00	$215.00	
3899	308 ANTOINE ST N	55	87,305	39.601	CHAMPION	005609-01	$215.00	$215.00	
3900	308 ANTOINE ST N	55	87,514	39.696	CHAMPION	005610-01	$215.00	$215.00	
3901	308 ANTOINE ST N	58	86,677	39.316	CHAMPION	005611-01	$215.00	$215.00	
3902	308 ANTOINE ST N	55	87,280	39.590	CHAMPION	005612-01	$215.00	$215.00	
3903	151 LAFAYETTE	56	87,518	39.698	CHAMPION	006311-01	$225.00	$225.00	
3904	151 LAFAYETTE	55	86,607	39.284	ALGER	006312-01	$225.00	$225.00	
3905	151 LAFAYETTE	55	86,692	39.323	CHIEFS	006313-01	$225.00	$225.00	
3906	151 LAFAYETTE	55	86,833	39.387	CHAMPION	006314-01	$225.00	$225.00	
3907	151 LAFAYETTE	55	86,671	39.313	ALGER	006315-01	$225.00	$225.00	
3908	151 LAFAYETTE	56	87,042	39.482	CHAMPION	006316-01	$225.00	$225.00	
3909	151 LAFAYETTE	58	86,559	39.263	CHIEFS	006317-01	$225.00	$225.00	
3910	151 LAFAYETTE	55	86,888	39.412	CHAMPION	006318-01	$225.00	$225.00	
3911	151 LAFAYETTE	55	86,875	39.406	ALGER	006319-01	$225.00	$225.00	
3912	151 LAFAYETTE	55	86,739	39.344	CHAMPION	006320-01	$225.00	$225.00	
3913	151 LAFAYETTE	55	86,747	39.348	CHIEFS	006321-01	$225.00	$225.00	
3914	151 LAFAYETTE	55	86,424	39.201	CHAMPION	006322-01	$225.00	$225.00	
3915	151 LAFAYETTE	55	86,468	39.221	ALGER	006323-01	$225.00	$225.00	

	A	B	C	D	E	F	G
3916	BAR6324	413/2137A	27-Jan-14	26090 23 MILE RD	ABCQ	TBAR	27-Jan-14
3917	BAR6325	3140/2133A	27-Jan-14	26090 23 MILE RD	ABCQ	TBAR	27-Jan-14
3918	BAR6326	108/2140A	27-Jan-14	26090 23 MILE RD	ABCQ	TBAR	27-Jan-14
3919	BAR6327	711/2138A	27-Jan-14	26090 23 MILE RD	ABCQ	TBAR	27-Jan-14
3920	BAR6328	413/2137A	27-Jan-14	26090 23 MILE RD	ABCQ	TBAR	27-Jan-14
3921	BAR6329	3140/2133A	27-Jan-14	26090 23 MILE RD	ABCQ	TBAR	27-Jan-14
3922	BAR6330	108/2140A	27-Jan-14	26090 23 MILE RD	ABCQ	TBAR	27-Jan-14
3923	BAR6331	711/2138A	27-Jan-14	26090 23 MILE RD	ABCQ	TBAR	27-Jan-14
3924	BAR6332	413/2137A	27-Jan-14	26090 23 MILE RD	ABCQ	TBAR	27-Jan-14
3925	BAR7023	093/880	27-Jan-14	6490 LYNCH	ABCQ	TBAR	27-Jan-14
3926	BAR7024	520/2112	27-Jan-14	6490 LYNCH	ABCQ	TBAR	27-Jan-14
3927	BAR7025	19/5428	27-Jan-14	6490 LYNCH	ABCQ	TBAR	27-Jan-14
3928	BAR7026	33/611A/B	27-Jan-14	6490 LYNCH	ABCQ	TBAR	27-Jan-14
3929	BAR7027	093/880	27-Jan-14	6490 LYNCH	ABCQ	TBAR	27-Jan-14
3930	BAR7028	520/2112	27-Jan-14	6490 LYNCH	ABCQ	TBAR	27-Jan-14
3931	BAR7029	19/5428	27-Jan-14	6490 LYNCH	ABCQ	TBAR	27-Jan-14
3932	BAR7030	33/611A/B	27-Jan-14	6490 LYNCH	ABCQ	TBAR	27-Jan-14
3933	BAR7031	093/880	27-Jan-14	6490 LYNCH	ABCQ	TBAR	27-Jan-14
3934	BAR6719	11091/11091A	27-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	27-Jan-14
3935	BAR6733	509/885	27-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	27-Jan-14
3936	BAR6731	11091/11091A	27-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	27-Jan-14
3937	BAR6720	92/92A	27-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	27-Jan-14
3938	BAR6722	91/91A	27-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	27-Jan-14
3939	BAR6726	93/93A	27-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	27-Jan-14
3940	BAR6724	92/92A	27-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	27-Jan-14
3941	BAR6725	91/91A	27-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	27-Jan-14
3942	BAR6727	92/92A	27-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	27-Jan-14
3943	BAR6729	91/91A	27-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	27-Jan-14
3944	BAR6732	93/93A	27-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	27-Jan-14
3945	BAR6734	92/92A	27-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	27-Jan-14
3946	BAR6730	007/007A	27-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	27-Jan-14
3947	BAR6721	670/670	27-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	27-Jan-14
3948	BAR6723	670/670A	27-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	27-Jan-14
3949	BAR6735	670/670A	27-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	27-Jan-14
3950	BAR6728	670/670A	27-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	27-Jan-14
3951	BAR6736	91/91A	27-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	27-Jan-14
3952	BAR5539	4/4B	27-Jan-14	2599 22ND ST	ABCQ	TBAR	27-Jan-14
3953	BAR5620	132	28-Jan-14	6307 WEST FORT ST	ABCQ	TBAR	28-Jan-14
3954	BAR5621	2112	28-Jan-14	6307 WEST FORT ST	ABCQ	TBAR	28-Jan-14
3955	BAR5622	2112	28-Jan-14	6307 WEST FORT ST	ABCQ	TBAR	28-Jan-14
3956	BAR5623	5428	28-Jan-14	6307 WEST FORT ST	ABCQ	TBAR	28-Jan-14
3957	BAR6333	108/2140A	28-Jan-14	26090 23 MILE RD	ABCQ	TBAR	28-Jan-14
3958	BAR6334	711/2138A	28-Jan-14	26090 23 MILE RD	ABCQ	TBAR	28-Jan-14
3959	BAR6335	413/2137A	28-Jan-14	26090 23 MILE RD	ABCQ	TBAR	28-Jan-14
3960	BAR6336	631/2140A	28-Jan-14	26090 23 MILE RD	ABCQ	TBAR	28-Jan-14

	H	I	J	K	L	M	N	O	P
3916	151 LAFAYETTE	55	86,863	39.400	CHAMPION	006324-01	$225.00	$225.00	
3917	151 LAFAYETTE	56	87,412	39.649	CHIEFS	006325-01	$225.00	$225.00	
3918	151 LAFAYETTE	60	87,631	39.749	CHAMPION	006326-01	$225.00	$225.00	
3919	151 LAFAYETTE	56	87,536	39.706	ALGER	006327-01	$225.00	$225.00	
3920	151 LAFAYETTE	55	86,742	39.346	CHAMPION	006328-01	$225.00	$225.00	
3921	151 LAFAYETTE	55	86,709	39.331	CHIEFS	006329-01	$225.00	$225.00	
3922	151 LAFAYETTE	59	86,581	39.273	CHAMPION	006330-01	$225.00	$225.00	
3923	151 LAFAYETTE	55	86,941	39.436	ALGER	006331-01	$225.00	$225.00	
3924	151 LAFAYETTE	55	87,018	39.471	CHAMPION	006332-01	$225.00	$225.00	
3925	160 VISGER	55	86,943	39.437	CLASSIC	268	$240.00	$240.00	
3926	160 VISGER	55	86,698	39.326	CLASSIC	268	$240.00	$240.00	
3927	160 VISGER	55	87,034	39.478	CLASSIC	268	$240.00	$240.00	
3928	160 VISGER	55	86,592	39.278	CLASSIC	268	$240.00	$240.00	
3929	160 VISGER	55	86,686	39.320	CLASSIC	268	$240.00	$240.00	
3930	160 VISGER	55	86,526	39.248	CLASSIC	268	$240.00	$240.00	
3931	160 VISGER	55	86,770	39.358	CLASSIC	268	$240.00	$240.00	
3932	160 VISGER	58	86,932	39.432	CLASSIC	268	$240.00	$240.00	
3933	160 VISGER	55	86,751	39.350	CLASSIC	268	$240.00	$240.00	
3934	36555 ECORSE	56	87,014	39.469	JP GRAHAM	22118	$270.00	$270.00	
3935	36555 ECORSE	56	87,729	39.793	JP GRAHAM	22796	$270.00	$270.00	
3936	36555 ECORSE	57	87,174	39.542	JP GRAHAM	23047	$270.00	$270.00	
3937	36555 ECORSE	55	86,577	39.271	JP GRAHAM	23197	$270.00	$270.00	
3938	36555 ECORSE	55	86,480	39.227	JP GRAHAM	23198	$270.00	$270.00	
3939	36555 ECORSE	55	86,533	39.251	JP GRAHAM	23226	$270.00	$270.00	
3940	36555 ECORSE	56	87,977	39.906	JP GRAHAM	23227	$270.00	$270.00	
3941	36555 ECORSE	56	87,901	39.871	JP GRAHAM	23228	$270.00	$270.00	
3942	36555 ECORSE	56	87,916	39.878	JP GRAHAM	23229	$270.00	$270.00	
3943	36555 ECORSE	58	86,723	39.337	JP GRAHAM	23230	$270.00	$270.00	
3944	36555 ECORSE	58	87,468	39.675	JP GRAHAM	23231	$270.00	$270.00	
3945	36555 ECORSE	56	87,383	39.636	JP GRAHAM	23232	$270.00	$270.00	
3946	36555 ECORSE	57	87,950	39.893	JP GRAHAM	23297	$270.00	$270.00	
3947	36555 ECORSE	56	87,964	39.900	JP GRAHAM	23375	$270.00	$270.00	
3948	36555 ECORSE	55	86,537	39.253	JP GRAHAM	23376	$270.00	$270.00	
3949	36555 ECORSE	58	86,743	39.346	JP GRAHAM	23377	$270.00	$270.00	
3950	36555 ECORSE	59	87,618	39.743	JP GRAHAM	23378	$270.00	$270.00	
3951	36555 ECORSE	60	87,354	39.623	JP GRAHAM	24662	$270.00	$270.00	
3952	3801 W. JEFFERSON	55	87,159	39.535	CLASSIC	268	$275.00	$275.00	
3953	4815 CABOT	55	87,126	39.520	CLASSIC	268	$200.00	$200.00	
3954	4815 CABOT	55	86,663	39.310	CLASSIC	268	$200.00	$200.00	
3955	4815 CABOT	55	86,734	39.342	CLASSIC	268	$200.00	$200.00	
3956	4815 CABOT	55	87,241	39.572	CLASSIC	268	$200.00	$200.00	
3957	151 LAFAYETTE	59	86,681	39.318	CHAMPION	006333-01	$225.00	$225.00	
3958	151 LAFAYETTE	56	87,679	39.771	ALGER	006334-01	$225.00	$225.00	
3959	151 LAFAYETTE	55	86,957	39.443	CHAMPION	006335-01	$225.00	$225.00	
3960	151 LAFAYETTE	55	87,083	39.500	CHAMPION	006336-01	$225.00	$225.00	

	A	B	C	D	E	F	G
3961	BAR6337	9934/2144	28-Jan-14	26090 23 MILE RD	ABCQ	TBAR	28-Jan-14
3962	BAR6338	413/2137A	28-Jan-14	26090 23 MILE RD	ABCQ	TBAR	28-Jan-14
3963	BAR6339	631/2140A	28-Jan-14	26090 23 MILE RD	ABCQ	TBAR	28-Jan-14
3964	BAR6340	631/2140A	28-Jan-14	26090 23 MILE RD	ABCQ	TBAR	28-Jan-14
3965	BAR6341	413/2137A	28-Jan-14	26090 23 MILE RD	ABCQ	TBAR	28-Jan-14
3966	BAR6342	9934/2144	28-Jan-14	26090 23 MILE RD	ABCQ	TBAR	28-Jan-14
3967	BAR6343	631/2140A	28-Jan-14	26090 23 MILE RD	ABCQ	TBAR	28-Jan-14
3968	BAR6344	413/2137A	28-Jan-14	26090 23 MILE RD	ABCQ	TBAR	28-Jan-14
3969	BAR6345	9934/2144	28-Jan-14	26090 23 MILE RD	ABCQ	TBAR	28-Jan-14
3970	BAR6346	631/2140A	28-Jan-14	26090 23 MILE RD	ABCQ	TBAR	28-Jan-14
3971	BAR6347	413/2137A	28-Jan-14	26090 23 MILE RD	ABCQ	TBAR	28-Jan-14
3972	BAR6348	9934/2144	28-Jan-14	26090 23 MILE RD	ABCQ	TBAR	28-Jan-14
3973	BAR6349	631/2140A	28-Jan-14	26090 23 MILE RD	ABCQ	TBAR	28-Jan-14
3974	BAR6350	413/2137A	28-Jan-14	26090 23 MILE RD	ABCQ	TBAR	28-Jan-14
3975	BAR6351	9934/2144	28-Jan-14	26090 23 MILE RD	ABCQ	TBAR	28-Jan-14
3976	BAR6352	631/2140A	28-Jan-14	26090 23 MILE RD	ABCQ	TBAR	28-Jan-14
3977	BAR7032	19/5428	28-Jan-14	6490 LYNCH	ABCQ	TBAR	28-Jan-14
3978	BAR7033	093/880	28-Jan-14	6490 LYNCH	ABCQ	TBAR	28-Jan-14
3979	BAR7034	19/5428	28-Jan-14	6490 LYNCH	ABCQ	TBAR	28-Jan-14
3980	BAR7035	520/2112	28-Jan-14	6490 LYNCH	ABCQ	TBAR	28-Jan-14
3981	BAR7036	33/611A/B	28-Jan-14	6490 LYNCH	ABCQ	TBAR	28-Jan-14
3982	BAR7037	19/5428	28-Jan-14	6490 LYNCH	ABCQ	TBAR	28-Jan-14
3983	BAR7038	33/611A/B	28-Jan-14	6490 LYNCH	ABCQ	TBAR	28-Jan-14
3984	BAR7040	093/880	28-Jan-14	6490 LYNCH	ABCQ	TBAR	28-Jan-14
3985	BAR7041	33/611A/B	28-Jan-14	6490 LYNCH	ABCQ	TBAR	28-Jan-14
3986	BAR7055LTL	093/880	28-Jan-14	6490 LYNCH	ABCQ	TBAR	28-Jan-14
3987	BAR7039	094/17A	28-Jan-14	6490 LYNCH	ABCQ	TBAR	28-Jan-14
3988	BAR6739	509/885	28-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	28-Jan-14
3989	BAR6756	509/885	28-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	28-Jan-14
3990	BAR6752	509/885	28-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	28-Jan-14
3991	BAR6745	509/885	28-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	28-Jan-14
3992	BAR6746	509/885	28-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	28-Jan-14
3993	BAR6737	11091/11091A	28-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	28-Jan-14
3994	BAR6744	11091/11091A	28-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	28-Jan-14
3995	BAR6747	11091/11091A	28-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	28-Jan-14
3996	BAR6753	11091/11091A	28-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	28-Jan-14
3997	BAR6740	93/93A	28-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	28-Jan-14
3998	BAR6741	92/92A	28-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	28-Jan-14
3999	BAR6743	91/91A	28-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	28-Jan-14
4000	BAR6750	007/007A	28-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	28-Jan-14
4001	BAR6738	007/007A	28-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	28-Jan-14
4002	BAR6748	670/670A	28-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	28-Jan-14
4003	BAR6751	670/670A	28-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	28-Jan-14
4004	BAR6742	670/670A	28-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	28-Jan-14
4005	BAR6758	11091/11091A	28-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	28-Jan-14

	H	I	J	K	L	M	N	O	P
3961	151 LAFAYETTE	60	87,301	39.599	CHAMPION	006337-01	$225.00	$225.00	
3962	151 LAFAYETTE	57	87,858	39.852	CHAMPION	006338-01	$225.00	$225.00	
3963	151 LAFAYETTE	55	86,582	39.273	CHAMPION	006339-01	$225.00	$225.00	
3964	151 LAFAYETTE	55	86,867	39.402	CHAMPION	006340-01	$225.00	$225.00	
3965	151 LAFAYETTE	55	86,597	39.280	CHAMPION	006341-01	$225.00	$225.00	
3966	151 LAFAYETTE	55	86,856	39.397	CHAMPION	006342-01	$225.00	$225.00	
3967	151 LAFAYETTE	55	86,927	39.429	CHAMPION	006343-01	$225.00	$225.00	
3968	151 LAFAYETTE	55	86,618	39.289	CHAMPION	006344-01	$225.00	$225.00	
3969	151 LAFAYETTE	59	87,527	39.702	CHAMPION	006345-01	$225.00	$225.00	
3970	151 LAFAYETTE	56	87,902	39.872	CHAMPION	006346-01	$225.00	$225.00	
3971	151 LAFAYETTE	55	86,605	39.283	CHAMPION	006347-01	$225.00	$225.00	
3972	151 LAFAYETTE	55	86,886	39.411	CHAMPION	006348-01	$225.00	$225.00	
3973	151 LAFAYETTE	55	86,576	39.270	CHAMPION	006349-01	$225.00	$225.00	
3974	151 LAFAYETTE	55	86,860	39.399	CHAMPION	006350-01	$225.00	$225.00	
3975	151 LAFAYETTE	55	87,437	39.661	CHAMPION	006351-01	$225.00	$225.00	
3976	151 LAFAYETTE	54	87,628	39.747	CHAMPION	006352-01	$225.00	$225.00	
3977	160 VISGER	55	87,002	39.463	CLASSIC	268	$240.00	$240.00	
3978	160 VISGER	55	86,548	39.258	CLASSIC	268	$240.00	$240.00	
3979	160 VISGER	55	86,742	39.346	CLASSIC	268	$240.00	$240.00	
3980	160 VISGER	55	86,981	39.454	CLASSIC	268	$240.00	$240.00	
3981	160 VISGER	56	87,872	39.858	CLASSIC	268	$240.00	$240.00	
3982	160 VISGER	55	86,621	39.291	CLASSIC	268	$240.00	$240.00	
3983	160 VISGER	55	86,632	39.296	CLASSIC	268	$240.00	$240.00	
3984	160 VISGER	55	86,771	39.359	CLASSIC	268	$240.00	$240.00	
3985	160 VISGER	57	87,662	39.763	CLASSIC	268	$240.00	$240.00	
3986	160 VISGER	40	62,787	28.480	CLASSIC	268	$240.00	$240.00	
3987	160 VISGER	56	87,786	39.819	L&R	268	$240.00	$240.00	
3988	36555 ECORSE	57	87,277	39.588	JP GRAHAM	22775	$270.00	$270.00	
3989	36555 ECORSE	55	86,495	39.234	JP GRAHAM	22792	$270.00	$270.00	
3990	36555 ECORSE	55	86,534	39.251	JP GRAHAM	22793	$270.00	$270.00	
3991	36555 ECORSE	57	86,481	39.227	JP GRAHAM	22794	$270.00	$270.00	
3992	36555 ECORSE	56	87,916	39.878	JP GRAHAM	22795	$270.00	$270.00	
3993	36555 ECORSE	60	86,617	39.289	JP GRAHAM	23050	$270.00	$270.00	
3994	36555 ECORSE	56	87,669	39.766	JP GRAHAM	23051	$270.00	$270.00	
3995	36555 ECORSE	56	87,874	39.859	JP GRAHAM	23054	$270.00	$270.00	
3996	36555 ECORSE	55	86,432	39.205	JP GRAHAM	23055	$270.00	$270.00	
3997	36555 ECORSE	56	87,776	39.815	JP GRAHAM	23233	$270.00	$270.00	
3998	36555 ECORSE	55	86,588	39.276	JP GRAHAM	23234	$270.00	$270.00	
3999	36555 ECORSE	56	87,918	39.879	JP GRAHAM	23236	$270.00	$270.00	
4000	36555 ECORSE	59	87,521	39.699	JP GRAHAM	23296	$270.00	$270.00	
4001	36555 ECORSE	57	86,794	39.369	JP GRAHAM	23298	$270.00	$270.00	
4002	36555 ECORSE	56	87,617	39.742	JP GRAHAM	23371	$270.00	$270.00	
4003	36555 ECORSE	56	86,730	39.340	JP GRAHAM	23374.01	$270.00	$270.00	
4004	36555 ECORSE	56	87,949	39.893	JP GRAHAM	23379	$270.00	$270.00	
4005	36555 ECORSE	55	86,557	39.262	JP GRAHAM	23428	$270.00	$270.00	

	A	B	C	D	E	F	G
4006	BAR6754	91/91A	28-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	28-Jan-14
4007	BAR6759	91/91A	28-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	28-Jan-14
4008	BAR6755	007/007A	28-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	28-Jan-14
4009	BAR6757	670/670A	28-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	28-Jan-14
4010	BAR6749	91/91A	28-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	28-Jan-14
4011	BAR5372LTL	4/4B	29-Jan-14	21100 TROLLEY	ABCQ	TBAR	29-Jan-14
4012	BAR5624	2112	29-Jan-14	6307 WEST FORT ST	ABCQ	TBAR	29-Jan-14
4013	BAR5625	5428	29-Jan-14	6307 WEST FORT ST	ABCQ	TBAR	29-Jan-14
4014	BAR5626	2112	29-Jan-14	6307 WEST FORT ST	ABCQ	TBAR	29-Jan-14
4015	BAR5627	2112	29-Jan-14	6307 WEST FORT ST	ABCQ	TBAR	29-Jan-14
4016	BAR5628	880	29-Jan-14	6307 WEST FORT ST	ABCQ	TBAR	29-Jan-14
4017	BAR5629	5428	29-Jan-14	6307 WEST FORT ST	ABCQ	TBAR	29-Jan-14
4018	BAR6353	631/2140A	29-Jan-14	26090 23 MILE RD	ABCQ	TBAR	29-Jan-14
4019	BAR6354	711/2138A	29-Jan-14	26090 23 MILE RD	ABCQ	TBAR	29-Jan-14
4020	BAR6355	9934/2144	29-Jan-14	26090 23 MILE RD	ABCQ	TBAR	29-Jan-14
4021	BAR6356	631/2140A	29-Jan-14	26090 23 MILE RD	ABCQ	TBAR	29-Jan-14
4022	BAR6357	111/2150A	29-Jan-14	26090 23 MILE RD	ABCQ	TBAR	29-Jan-14
4023	BAR6358	711/2138A	29-Jan-14	26090 23 MILE RD	ABCQ	TBAR	29-Jan-14
4024	BAR6359	9934/2144	29-Jan-14	26090 23 MILE RD	ABCQ	TBAR	29-Jan-14
4025	BAR6360	631/2140A	29-Jan-14	26090 23 MILE RD	ABCQ	TBAR	29-Jan-14
4026	BAR6361	111/2150A	29-Jan-14	26090 23 MILE RD	ABCQ	TBAR	29-Jan-14
4027	BAR6362	711/2138A	29-Jan-14	26090 23 MILE RD	ABCQ	TBAR	29-Jan-14
4028	BAR6363	9934/2144	29-Jan-14	26090 23 MILE RD	ABCQ	TBAR	29-Jan-14
4029	BAR6364	631/2140A	29-Jan-14	26090 23 MILE RD	ABCQ	TBAR	29-Jan-14
4030	BAR6365	111/2150A	29-Jan-14	26090 23 MILE RD	ABCQ	TBAR	29-Jan-14
4031	BAR6366	711/2138A	29-Jan-14	26090 23 MILE RD	ABCQ	TBAR	29-Jan-14
4032	BAR6367	9934/2144	29-Jan-14	26090 23 MILE RD	ABCQ	TBAR	29-Jan-14
4033	BAR6368	631/2140A	29-Jan-14	26090 23 MILE RD	ABCQ	TBAR	29-Jan-14
4034	BAR6369	408/2147A	29-Jan-14	26090 23 MILE RD	ABCQ	TBAR	29-Jan-14
4035	BAR6370	111/2150A	29-Jan-14	26090 23 MILE RD	ABCQ	TBAR	29-Jan-14
4036	BAR6371	711/2138A	29-Jan-14	26090 23 MILE RD	ABCQ	TBAR	29-Jan-14
4037	BAR6372	9934/2144	29-Jan-14	26090 23 MILE RD	ABCQ	TBAR	29-Jan-14
4038	BAR6373	631/2140A	29-Jan-14	26090 23 MILE RD	ABCQ	TBAR	29-Jan-14
4039	BAR6374	111/2150A	29-Jan-14	26090 23 MILE RD	ABCQ	TBAR	29-Jan-14
4040	BAR6375	711/2138A	29-Jan-14	26090 23 MILE RD	ABCQ	TBAR	29-Jan-14
4041	BAR6376	9934/2144	29-Jan-14	26090 23 MILE RD	ABCQ	TBAR	29-Jan-14
4042	BAR6377	631/2140A	29-Jan-14	26090 23 MILE RD	ABCQ	TBAR	29-Jan-14
4043	BAR7042	093/880	29-Jan-14	6490 LYNCH	ABCQ	TBAR	29-Jan-14
4044	BAR7043	33/611A/B	29-Jan-14	6490 LYNCH	ABCQ	TBAR	29-Jan-14
4045	BAR7044	093/880	29-Jan-14	6490 LYNCH	ABCQ	TBAR	29-Jan-14
4046	BAR7045	33/611A/B	29-Jan-14	6490 LYNCH	ABCQ	TBAR	29-Jan-14
4047	BAR7046	093/880	29-Jan-14	6490 LYNCH	ABCQ	TBAR	29-Jan-14
4048	BAR7047	33/611A/B	29-Jan-14	6490 LYNCH	ABCQ	TBAR	29-Jan-14
4049	BAR6762	509/885	29-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	29-Jan-14
4050	BAR6767	509/885	29-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	29-Jan-14

	H	I	J	K	L	M	N	O	P
4006	36555 ECORSE	55	86,514	39.242	JP GRAHAM	23969	$270.00	$270.00	
4007	36555 ECORSE	56	87,729	39.793	JP GRAHAM	23972	$270.00	$270.00	
4008	36555 ECORSE	55	86,637	39.298	JP GRAHAM	24089	$270.00	$270.00	
4009	36555 ECORSE	56	87,871	39.858	JP GRAHAM	24103	$270.00	$270.00	
4010	36555 ECORSE	58	87,780	39.816	JP GRAHAM	24664	$270.00	$270.00	
4011	21150 TROLLEY	39	56,048	25.423	CLASSIC	268	$200.00	$200.00	
4012	4815 CABOT	55	86,857	39.398	CLASSIC	268	$200.00	$200.00	
4013	4815 CABOT	56	86,619	39.290	CLASSIC	268	$200.00	$200.00	
4014	4815 CABOT	55	87,134	39.523	CLASSIC	268	$200.00	$200.00	
4015	4815 CABOT	55	86,952	39.441	CLASSIC	268	$200.00	$200.00	
4016	4815 CABOT	55	87,086	39.502	CLASSIC	268	$200.00	$200.00	
4017	4815 CABOT	55	87,217	39.561	CLASSIC	268	$200.00	$200.00	
4018	151 LAFAYETTE	55	86,710	39.331	CHAMPION	006353-01	$225.00	$225.00	
4019	151 LAFAYETTE	55	86,796	39.370	ALGER	006354-01	$225.00	$225.00	
4020	151 LAFAYETTE	55	86,949	39.439	CHAMPION	006355-01	$225.00	$225.00	
4021	151 LAFAYETTE	55	87,318	39.607	CHAMPION	006356-01	$225.00	$225.00	
4022	151 LAFAYETTE	55	86,482	39.228	CHAMPION	006357-01	$225.00	$225.00	
4023	151 LAFAYETTE	55	87,113	39.514	ALGER	006358-01	$225.00	$225.00	
4024	151 LAFAYETTE	55	86,753	39.351	CHAMPION	006359-01	$225.00	$225.00	
4025	151 LAFAYETTE	58	87,570	39.721	CHAMPION	006360-01	$225.00	$225.00	
4026	151 LAFAYETTE	60	86,597	39.280	CHAMPION	006361-01	$225.00	$225.00	
4027	151 LAFAYETTE	58	87,728	39.793	ALGER	006362-01	$225.00	$225.00	
4028	151 LAFAYETTE	60	86,936	39.434	CHAMPION	006363-01	$225.00	$225.00	
4029	151 LAFAYETTE	55	86,774	39.360	CHAMPION	006364-01	$225.00	$225.00	
4030	151 LAFAYETTE	61	87,232	39.568	CHAMPION	006365-01	$225.00	$225.00	
4031	151 LAFAYETTE	62	87,648	39.757	ALGER	006366-01	$225.00	$225.00	
4032	151 LAFAYETTE	55	86,677	39.316	CHAMPION	006367-01	$225.00	$225.00	
4033	151 LAFAYETTE	55	86,581	39.273	CHAMPION	006368-01	$225.00	$225.00	
4034	151 LAFAYETTE	55	86,610	39.286	CHAMPION	006369-01	$225.00	$225.00	
4035	151 LAFAYETTE	55	86,719	39.335	CHAMPION	006370-01	$225.00	$225.00	
4036	151 LAFAYETTE	55	87,178	39.543	ALGER	006371-01	$225.00	$225.00	
4037	151 LAFAYETTE	58	86,517	39.243	CHAMPION	006372-01	$225.00	$225.00	
4038	151 LAFAYETTE	55	86,732	39.341	CHAMPION	006373-01	$225.00	$225.00	
4039	151 LAFAYETTE	58	86,953	39.441	CHAMPION	006374-01	$225.00	$225.00	
4040	151 LAFAYETTE	59	86,693	39.323	ALGER	006375-01	$225.00	$225.00	
4041	151 LAFAYETTE	55	86,763	39.355	CHAMPION	006376-01	$225.00	$225.00	
4042	151 LAFAYETTE	55	86,652	39.305	CHAMPION	006377-01	$225.00	$225.00	
4043	160 VISGER	57	87,731	39.794	CLASSIC	268	$240.00	$240.00	
4044	160 VISGER	57	86,630	39.295	CLASSIC	268	$240.00	$240.00	
4045	160 VISGER	57	87,820	39.835	CLASSIC	268	$240.00	$240.00	
4046	160 VISGER	56	87,905	39.873	CLASSIC	268	$240.00	$240.00	
4047	160 VISGER	56	87,806	39.828	CLASSIC	268	$240.00	$240.00	
4048	160 VISGER	55	86,888	39.412	CLASSIC	268	$240.00	$240.00	
4049	36555 ECORSE	55	86,613	39.287	JP GRAHAM	22851	$250.00	$250.00	
4050	36555 ECORSE	55	87,304	39.600	JP GRAHAM	22933	$270.00	$270.00	

	A	B	C	D	E	F	G
4051	BAR6773	509/885	29-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	29-Jan-14
4052	BAR6765	11091/11091A	29-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	29-Jan-14
4053	BAR6770	11091/11091A	29-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	29-Jan-14
4054	BAR6775	11091/11019A	29-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	29-Jan-14
4055	BAR6761	91/91A	29-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	29-Jan-14
4056	BAR6763	92/92A	29-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	29-Jan-14
4057	BAR6766	91/91A	29-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	29-Jan-14
4058	BAR6769	92/92A	29-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	29-Jan-14
4059	BAR6771	91/91A	29-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	29-Jan-14
4060	BAR6774	92/92A	29-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	29-Jan-14
4061	BAR6776	91/91A	29-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	29-Jan-14
4062	BAR6777	670/670A	29-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	29-Jan-14
4063	BAR6764	670/670A	29-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	29-Jan-14
4064	BAR6772	670/670A	29-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	29-Jan-14
4065	BAR6778	509/885	29-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	29-Jan-14
4066	BAR6760	509/885	29-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	29-Jan-14
4067	BAR6781	11091/11091A	29-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	29-Jan-14
4068	BAR6780	91/91A	29-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	29-Jan-14
4069	BAR6779	92/92A	29-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	29-Jan-14
4070	BAR6768	670/670A	29-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	29-Jan-14
4071	BAR5374	093/0080	30-Jan-14	7900 N. HAGGERTY	ABCQ	TBAR	30-Jan-14
4072	BAR5375	33/611A/B	30-Jan-14	7900 N. HAGGERTY	ABCQ	TBAR	30-Jan-14
4073	BAR5376	093/0080	30-Jan-14	7900 N. HAGGERTY	ABCQ	TBAR	30-Jan-14
4074	BAR5377LTL	33/611A/B	30-Jan-14	7900 N. HAGGERTY	ABCQ	TBAR	30-Jan-14
4075	BAR5630	2112	30-Jan-14	6307 WEST FORT ST	ABCQ	TBAR	30-Jan-14
4076	BAR5631	5428	30-Jan-14	6307 WEST FORT ST	ABCQ	TBAR	30-Jan-14
4077	BAR5632	2112	30-Jan-14	6307 WEST FORT ST	ABCQ	TBAR	30-Jan-14
4078	BAR5633	6B	30-Jan-14	6307 WEST FORT ST	ABCQ	TBAR	30-Jan-14
4079	BAR5634	611	30-Jan-14	6307 WEST FORT ST	ABCQ	TBAR	30-Jan-14
4080	BAR5635	2112	30-Jan-14	6307 WEST FORT ST	ABCQ	TBAR	30-Jan-14
4081	BAR6378	111/2150A	30-Jan-14	26090 23 MILE RD	ABCQ	TBAR	30-Jan-14
4082	BAR6379	711/2138A	30-Jan-14	26090 23 MILE RD	ABCQ	TBAR	30-Jan-14
4083	BAR6380	9934/2144	30-Jan-14	26090 23 MILE RD	ABCQ	TBAR	30-Jan-14
4084	BAR6381	111/2150A	30-Jan-14	26090 23 MILE RD	ABCQ	TBAR	30-Jan-14
4085	BAR6382	631/2140A	30-Jan-14	26090 23 MILE RD	ABCQ	TBAR	30-Jan-14
4086	BAR6383	9934/2144	30-Jan-14	26090 23 MILE RD	ABCQ	TBAR	30-Jan-14
4087	BAR6384	711/2138	30-Jan-14	26090 23 MILE RD	ABCQ	TBAR	30-Jan-14
4088	BAR6385	711/2138	30-Jan-14	26090 23 MILE RD	ABCQ	TBAR	30-Jan-14
4089	BAR6386	111/2150A	30-Jan-14	26090 23 MILE RD	ABCQ	TBAR	30-Jan-14
4090	BAR6387	408/2147A	30-Jan-14	26090 23 MILE RD	ABCQ	TBAR	30-Jan-14
4091	BAR6388	631/2140A	30-Jan-14	26090 23 MILE RD	ABCQ	TBAR	30-Jan-14
4092	BAR6389	9934/2144	30-Jan-14	26090 23 MILE RD	ABCQ	TBAR	30-Jan-14
4093	BAR6390	711/2138	30-Jan-14	26090 23 MILE RD	ABCQ	TBAR	30-Jan-14
4094	BAR6393	9934/2144	30-Jan-14	26090 23 MILE RD	ABCQ	TBAR	30-Jan-14
4095	BAR6394	408/2147A	30-Jan-14	26090 23 MILE RD	ABCQ	TBAR	30-Jan-14

	H	I	J	K	L	M	N	O	P
4051	36555 ECORSE	59	87,815	39.832	JP GRAHAM	22937.01	$270.00	$270.00	
4052	36555 ECORSE	56	86,952	39.441	JP GRAHAM	23059	$270.00	$270.00	
4053	36555 ECORSE	57	87,867	39.856	JP GRAHAM	23061	$270.00	$270.00	
4054	36555 ECORSE	58	87,796	39.824	JP GRAHAM	23067	$270.00	$270.00	
4055	36555 ECORSE	55	86,771	39.359	JP GRAHAM	23238	$270.00	$270.00	
4056	36555 ECORSE	56	87,718	39.788	JP GRAHAM	23240	$270.00	$270.00	
4057	36555 ECORSE	56	87,993	39.913	JP GRAHAM	23242	$270.00	$270.00	
4058	36555 ECORSE	57	86,696	39.325	JP GRAHAM	23247	$270.00	$270.00	
4059	36555 ECORSE	57	87,199	39.553	JP GRAHAM	23252	$270.00	$270.00	
4060	36555 ECORSE	55	86,737	39.343	JP GRAHAM	23254	$270.00	$270.00	
4061	36555 ECORSE	57	86,617	39.289	JP GRAHAM	23256	$270.00	$270.00	
4062	36555 ECORSE	59	86,734	39.342	JP GRAHAM	23360	$270.00	$270.00	
4063	36555 ECORSE	57	87,080	39.499	JP GRAHAM	23370	$270.00	$270.00	
4064	36555 ECORSE	56	87,414	39.650	JP GRAHAM	23380	$270.00	$270.00	
4065	36555 ECORSE	59	87,218	39.561	JP GRAHAM	23424	$270.00	$270.00	
4066	36555 ECORSE	55	86,782	39.364	JP GRAHAM	23425	$270.00	$270.00	
4067	36555 ECORSE	57	87,040	39.481	JP GRAHAM	23430	$270.00	$270.00	
4068	36555 ECORSE	55	87,097	39.507	JP GRAHAM	23974	$270.00	$270.00	
4069	36555 ECORSE	59	87,444	39.664	JP GRAHAM	23976	$270.00	$270.00	
4070	36555 ECORSE	55	87,110	39.512	JP GRAHAM				
4071	36555 ECORSE	56	87,963	39.899	CLASSIC	268	$200.00	$200.00	
4072	36555 ECORSE	55	87,115	39.515	CLASSIC	268	$200.00	$200.00	
4073	36555 ECORSE	55	86,809	39.376	CLASSIC	268	$200.00	$200.00	
4074	36555 ECORSE	44	69,471	31.512	CLASSIC	268	$200.00	$200.00	
4075	4815 CABOT	55	86,721	39.336	CLASSIC	268	$200.00	$200.00	
4076	4815 CABOT	55	87,086	39.502	CLASSIC	268	$200.00	$200.00	
4077	4815 CABOT	55	87,607	39.738	CLASSIC	268	$200.00	$200.00	
4078	4815 CABOT	55	87,192	39.550	CLASSIC	268	$200.00	$200.00	
4079	4815 CABOT	55	87,094	39.505	CLASSIC	268	$200.00	$200.00	
4080	4815 CABOT	59	87,107	39.511	CLASSIC	268	$200.00	$200.00	
4081	151 LAFAYETTE	55	86,964	39.446	CHAMPION	006378-01	$225.00	$225.00	
4082	151 LAFAYETTE	55	86,545	39.256	ALGER	006379-01	$225.00	$225.00	
4083	151 LAFAYETTE	58	86,442	39.209	CHAMPION	006380-01	$225.00	$225.00	
4084	151 LAFAYETTE	55	87,164	39.537	CHAMPION	006381-01	$225.00	$225.00	
4085	151 LAFAYETTE	55	86,792	39.368	CHAMPION	006382-01	$225.00	$225.00	
4086	151 LAFAYETTE	58	87,989	39.911	CHAMPION	006383-01	$225.00	$225.00	
4087	151 LAFAYETTE	56	87,195	39.551	ALGER	006384-01	$225.00	$225.00	
4088	151 LAFAYETTE	55	86,701	39.327	ALGER	006385-01	$225.00	$225.00	
4089	151 LAFAYETTE	55	86,706	39.329	CHAMPION	006386-01	$225.00	$225.00	
4090	151 LAFAYETTE	55	86,843	39.391	CHAMPION	006387-01	$225.00	$225.00	
4091	151 LAFAYETTE	55	86,703	39.328	CHAMPION	006388-01	$225.00	$225.00	
4092	151 LAFAYETTE	55	86,821	39.381	CHAMPION	006389-01	$225.00	$225.00	
4093	151 LAFAYETTE	55	87,411	39.649	ALGER	006390-01	$225.00	$225.00	
4094	151 LAFAYETTE	55	86,974	39.451	CHAMPION	006393-01	$225.00	$225.00	
4095	151 LAFAYETTE	55	86,520	39.245	CHAMPION	006394-01	$225.00	$225.00	

	A	B	C	D	E	F	G
4096	BAR6395	111/2150A	30-Jan-14	26090 23 MILE RD	ABCQ	TBAR	30-Jan-14
4097	BAR6396	631/2140A	30-Jan-14	26090 23 MILE RD	ABCQ	TBAR	30-Jan-14
4098	BAR6397	111/2150A	30-Jan-14	26090 23 MILE RD	ABCQ	TBAR	30-Jan-14
4099	BAR6398	408/2147A	30-Jan-14	26090 23 MILE RD	ABCQ	TBAR	30-Jan-14
4100	BAR6399	631/2140A	30-Jan-14	26090 23 MILE RD	ABCQ	TBAR	30-Jan-14
4101	BAR6400	9934/2144	30-Jan-14	26090 23 MILE RD	ABCQ	TBAR	30-Jan-14
4102	BAR6401	711/2138A	30-Jan-14	26090 23 MILE RD	ABCQ	TBAR	30-Jan-14
4103	BAR6402	111/2150A	30-Jan-14	26090 23 MILE RD	ABCQ	TBAR	30-Jan-14
4104	BAR6403	408/2147A	30-Jan-14	26090 23 MILE RD	ABCQ	TBAR	30-Jan-14
4105	BAR6404	631/2140A	30-Jan-14	26090 23 MILE RD	ABCQ	TBAR	30-Jan-14
4106	BAR6800	509/885	30-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	30-Jan-14
4107	BAR6783	509/885	30-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	30-Jan-14
4108	BAR6792	11091/11091A	30-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	30-Jan-14
4109	BAR6799	11091/11091A	30-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	30-Jan-14
4110	BAR6805	11091/11091A	30-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	30-Jan-14
4111	BAR6797	91/91A	30-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	30-Jan-14
4112	BAR6789	92/92A	30-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	30-Jan-14
4113	BAR6793	92/92A	30-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	30-Jan-14
4114	BAR6798	92/92A	30-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	30-Jan-14
4115	BAR6802	91/91A	30-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	30-Jan-14
4116	BAR6804	92/92A	30-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	30-Jan-14
4117	BAR6803	93/93A	30-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	30-Jan-14
4118	BAR6796	93/93A	30-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	30-Jan-14
4119	BAR6791	93/93A	30-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	30-Jan-14
4120	BAR6806	670/670A	30-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	30-Jan-14
4121	BAR6801	670/670A	30-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	30-Jan-14
4122	BAR6795	670/670A	30-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	30-Jan-14
4123	BAR6790	670/670A	30-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	30-Jan-14
4124	BAR6788	509/885	30-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	30-Jan-14
4125	BAR6794	509/885	30-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	30-Jan-14
4126	BAR6785	11091/11091A	30-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	30-Jan-14
4127	BAR6807	509/885	30-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	30-Jan-14
4128	BAR6784	91/91A	30-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	30-Jan-14
4129	BAR6786	670/670A	30-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	30-Jan-14
4130	BAR6782	670/670A	30-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	30-Jan-14
4131	BAR6787	91/91A	30-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	30-Jan-14
4132	BAR5378LTL	093/880	31-Jan-14	3801 WEST JEFFERSON	ABCQ	TBAR	31-Jan-14
4133	BAR5636	6B	31-Jan-14	6307 WEST FORT ST	ABCQ	TBAR	31-Jan-14
4134	BAR5637	6B	31-Jan-14	6307 WEST FORT ST	ABCQ	TBAR	31-Jan-14
4135	BAR5638	611	31-Jan-14	6307 WEST FORT ST	ABCQ	TBAR	31-Jan-14
4136	BAR5639	880	31-Jan-14	6307 WEST FORT ST	ABCQ	TBAR	31-Jan-14
4137	BAR5640	6B	31-Jan-14	6307 WEST FORT ST	ABCQ	TBAR	31-Jan-14
4138	BAR6040	093/880	31-Jan-14	4815 CABOT	ABCQ	TBAR	31-Jan-14
4139	BAR6391	111/2150A	31-Jan-14	26090 23 MILE RD	ABCQ	TBAR	31-Jan-14
4140	BAR6392	711/2138A	31-Jan-14	26090 23 MILE RD	ABCQ	TBAR	31-Jan-14

	H	I	J	K	L	M	N	O	P
4096	151 LAFAYETTE	55	86,884	39.410	CHAMPION	006395-01	$225.00	$225.00	
4097	151 LAFAYETTE	55	86,671	39.313	CHAMPION	006396-01	$225.00	$225.00	
4098	151 LAFAYETTE	55	86,602	39.282	CHAMPION	006397-01	$225.00	$225.00	
4099	151 LAFAYETTE	55	86,879	39.408	CHAMPION	006398-01	$225.00	$225.00	
4100	151 LAFAYETTE	55	86,760	39.354	CHAMPION	006399-01	$225.00	$225.00	
4101	151 LAFAYETTE	58	87,974	39.904	CHAMPION	006400-01	$225.00	$225.00	
4102	151 LAFAYETTE	57	86,823	39.382	ALGER	006401-01	$225.00	$225.00	
4103	151 LAFAYETTE	55	87,139	39.526	CHAMPION	006402-01	$225.00	$225.00	
4104	151 LAFAYETTE	55	87,108	39.512	CHAMPION	006403-01	$225.00	$225.00	
4105	151 LAFAYETTE	55	86,610	39.286	CHAMPION	006404-01	$225.00	$225.00	
4106	36555 ECORSE	55	87,573	39.722	JP GRAHAM	22939	$270.00	$270.00	
4107	36555 ECORSE	59	87,899	39.870	JP GRAHAM	23058	$270.00	$270.00	
4108	36555 ECORSE	58	86,729	39.340	JP GRAHAM	23068	$270.00	$270.00	
4109	36555 ECORSE	55	87,901	39.871	JP GRAHAM	23069	$270.00	$270.00	
4110	36555 ECORSE	59	86,614	39.287	JP GRAHAM	23070	$270.00	$270.00	
4111	36555 ECORSE	55	87,242	39.572	JP GRAHAM	23259	$270.00	$270.00	
4112	36555 ECORSE	57	87,975	39.905	JP GRAHAM	23260	$270.00	$270.00	
4113	36555 ECORSE	55	86,907	39.420	JP GRAHAM	23261	$270.00	$270.00	
4114	36555 ECORSE	55	87,775	39.814	JP GRAHAM	23263	$270.00	$270.00	
4115	36555 ECORSE	55	87,278	39.589	JP GRAHAM	23264	$270.00	$270.00	
4116	36555 ECORSE	55	86,641	39.300	JP GRAHAM	23265	$270.00	$270.00	
4117	36555 ECORSE	55	87,611	39.740	JP GRAHAM	23293	$270.00	$270.00	
4118	36555 ECORSE	55	87,116	39.515	JP GRAHAM	23294	$270.00	$270.00	
4119	36555 ECORSE	55	86,857	39.398	JP GRAHAM	23295	$270.00	$270.00	
4120	36555 ECORSE	57	86,695	39.324	JP GRAHAM	23356	$270.00	$270.00	
4121	36555 ECORSE	55	87,559	39.716	JP GRAHAM	23357	$270.00	$270.00	
4122	36555 ECORSE	55	86,795	39.370	JP GRAHAM	23358	$270.00	$270.00	
4123	36555 ECORSE	55	86,818	39.380	JP GRAHAM	23363	$270.00	$270.00	
4124	36555 ECORSE	58	87,087	39.502	JP GRAHAM	23394	$270.00	$270.00	
4125	36555 ECORSE	55	87,231	39.567	JP GRAHAM	23431	$270.00	$270.00	
4126	36555 ECORSE	59	87,248	39.575	JP GRAHAM	23432	$270.00	$270.00	
4127	36555 ECORSE	57	86,713	39.332	JP GRAHAM	23434	$270.00	$270.00	
4128	36555 ECORSE	56	87,022	39.473	JP GRAHAM	23979	$270.00	$270.00	
4129	36555 ECORSE	55	86,575	39.270	JP GRAHAM	24097	$270.00	$270.00	
4130	36555 ECORSE	60	86,528	39.248	JP GRAHAM	24098	$270.00	$270.00	
4131	36555 ECORSE	55	86,961	39.445	JP GRAHAM				
4132	4815 CABOT	38	55,118	25.001	CLASSIC	268	$200.00	$200.00	
4133	4815 CABOT	55	87,218	39.561	CLASSIC	268	$200.00	$200.00	
4134	4815 CABOT	55	87,209	39.557	CLASSIC	268	$200.00	$200.00	
4135	4815 CABOT	55	87,257	39.579	CLASSIC	268	$200.00	$200.00	
4136	4815 CABOT	55	86,824	39.383	CLASSIC	268	$200.00	$200.00	
4137	4815 CABOT	55	87,525	39.701	CLASSIC	268	$200.00	$200.00	
4138	3801 W. JEFFERSON	40	63,329	28.726	CLASSIC	268	$200.00	$200.00	
4139	151 LAFAYETTE	55	87,357	39.625	CHAMPION	006391-01	$225.00	$225.00	
4140	151 LAFAYETTE	55	86,677	39.316	ALGER	006392-01	$225.00	$225.00	

	A	B	C	D	E	F	G
4141	BAR6405	631/2140A	31-Jan-14	26090 23 MILE RD	ABCQ	TBAR	31-Jan-14
4142	BAR6406	408/2147A	31-Jan-14	26090 23 MILE RD	ABCQ	TBAR	31-Jan-14
4143	BAR6407	631/2140A	31-Jan-14	26090 23 MILE RD	ABCQ	TBAR	31-Jan-14
4144	BAR6408	631/2140A	31-Jan-14	26090 23 MILE RD	ABCQ	TBAR	31-Jan-14
4145	BAR6409	408/2147A	31-Jan-14	26090 23 MILE RD	ABCQ	TBAR	31-Jan-14
4146	BAR6410	9934/2144	31-Jan-14	26090 23 MILE RD	ABCQ	TBAR	31-Jan-14
4147	BAR6411	211/2150A	31-Jan-14	26090 23 MILE RD	ABCQ	TBAR	31-Jan-14
4148	BAR6412	634/2139	31-Jan-14	26090 23 MILE RD	ABCQ	TBAR	31-Jan-14
4149	BAR6413	631/2140A	31-Jan-14	26090 23 MILE RD	ABCQ	TBAR	31-Jan-14
4150	BAR6414	408/2147A	31-Jan-14	26090 23 MILE RD	ABCQ	TBAR	31-Jan-14
4151	BAR6415	9934/2144	31-Jan-14	26090 23 MILE RD	ABCQ	TBAR	31-Jan-14
4152	BAR6416	111/2150A	31-Jan-14	26090 23 MILE RD	ABCQ	TBAR	31-Jan-14
4153	BAR6417	631/2140A	31-Jan-14	26090 23 MILE RD	ABCQ	TBAR	31-Jan-14
4154	BAR6418	634/2139	31-Jan-14	26090 23 MILE RD	ABCQ	TBAR	31-Jan-14
4155	BAR6419	634/2139	31-Jan-14	26090 23 MILE RD	ABCQ	TBAR	31-Jan-14
4156	BAR6420	631/2140A	31-Jan-14	26090 23 MILE RD	ABCQ	TBAR	31-Jan-14
4157	BAR6421	634/2139	31-Jan-14	26090 23 MILE RD	ABCQ	TBAR	31-Jan-14
4158	BAR6422	111/2150A	31-Jan-14	26090 23 MILE RD	ABCQ	TBAR	31-Jan-14
4159	BAR6423	9934/2144	31-Jan-14	26090 23 MILE RD	ABCQ	TBAR	31-Jan-14
4160	BAR6424	408/2147A	31-Jan-14	26090 23 MILE RD	ABCQ	TBAR	31-Jan-14
4161	BAR6425	631/2140A	31-Jan-14	26090 23 MILE RD	ABCQ	TBAR	31-Jan-14
4162	BAR6426	9934/2144	31-Jan-14	26090 23 MILE RD	ABCQ	TBAR	31-Jan-14
4163	BAR6427	111/2150A	31-Jan-14	26090 23 MILE RD	ABCQ	TBAR	31-Jan-14
4164	BAR6428	408/2147A	31-Jan-14	26090 23 MILE RD	ABCQ	TBAR	31-Jan-14
4165	BAR6429	408/2147A	31-Jan-14	26090 23 MILE RD	ABCQ	TBAR	31-Jan-14
4166	BAR6430	9934/2144	31-Jan-14	26090 23 MILE RD	ABCQ	TBAR	31-Jan-14
4167	BAR6431	111/2150A	31-Jan-14	26090 23 MILE RD	ABCQ	TBAR	31-Jan-14
4168	BAR6432	634/2139	31-Jan-14	26090 23 MILE RD	ABCQ	TBAR	31-Jan-14
4169	BAR6808	509/885	31-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	31-Jan-14
4170	BAR6816	11091/11091A	31-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	31-Jan-14
4171	BAR6812	509/885	31-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	31-Jan-14
4172	BAR6819	509/885	31-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	31-Jan-14
4173	BAR6821	11091/11091A	31-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	31-Jan-14
4174	BAR6825	509/885	31-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	31-Jan-14
4175	BAR6827	11091/11091A	31-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	31-Jan-14
4176	BAR6811	91/91A	31-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	31-Jan-14
4177	BAR6810	92/92A	31-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	31-Jan-14
4178	BAR6815	91/91A	31-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	31-Jan-14
4179	BAR6813	93/93A	31-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	31-Jan-14
4180	BAR6809	670/670A	31-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	31-Jan-14
4181	BAR6814	670/670A	31-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	31-Jan-14
4182	BAR6817	92/92A	31-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	31-Jan-14
4183	BAR6820	91/91A	31-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	31-Jan-14
4184	BAR6822	92/92A	31-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	31-Jan-14
4185	BAR6824	91/91A	31-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	31-Jan-14

	H	I	J	K	L	M	N	O	P
4141	151 LAFAYETTE	55	87,309	39.603	CHAMPION	006405-01	$225.00	$225.00	
4142	151 LAFAYETTE	55	86,550	39.258	CHAMPION	006406-01	$225.00	$225.00	
4143	151 LAFAYETTE	57	86,981	39.454	CHAMPION	006407-01	$225.00	$225.00	
4144	151 LAFAYETTE	57	87,652	39.758	CHAMPION	006408-01	$225.00	$225.00	
4145	151 LAFAYETTE	55	86,557	39.262	CHAMPION	006409-01	$225.00	$225.00	
4146	151 LAFAYETTE	55	86,821	39.381	CHAMPION	006410-01	$225.00	$225.00	
4147	151 LAFAYETTE	55	86,642	39.300	CHAMPION	006411-01	$225.00	$225.00	
4148	151 LAFAYETTE	55	86,685	39.320	CHAMPION	006412-01	$225.00	$225.00	
4149	151 LAFAYETTE	59	87,203	39.555	CHAMPION	006413-01	$225.00	$225.00	
4150	151 LAFAYETTE	58	87,826	39.837	CHAMPION	006414-01	$225.00	$225.00	
4151	151 LAFAYETTE	57	86,851	39.395	CHAMPION	006415-01	$225.00	$225.00	
4152	151 LAFAYETTE	56	87,883	39.863	CHAMPION	006416-01	$225.00	$225.00	
4153	151 LAFAYETTE	55	87,270	39.585	CHAMPION	006417-01	$225.00	$225.00	
4154	151 LAFAYETTE	55	87,313	39.605	CHAMPION	006418-01	$225.00	$225.00	
4155	151 LAFAYETTE	55	87,044	39.483	CHAMPION	006419-01	$225.00	$225.00	
4156	151 LAFAYETTE	55	87,002	39.463	CHAMPION	006420-01	$225.00	$225.00	
4157	151 LAFAYETTE	55	87,403	39.645	CHAMPION	006421-01	$225.00	$225.00	
4158	151 LAFAYETTE	55	86,883	39.410	CHAMPION	006422-01	$225.00	$225.00	
4159	151 LAFAYETTE	55	87,087	39.502	CHAMPION	006423-01	$225.00	$225.00	
4160	151 LAFAYETTE	55	86,557	39.262	CHAMPION	006424-01	$225.00	$225.00	
4161	151 LAFAYETTE	55	86,671	39.313	CHAMPION	006425-01	$225.00	$225.00	
4162	151 LAFAYETTE	55	86,799	39.371	CHAMPION	006426-01	$225.00	$225.00	
4163	151 LAFAYETTE	55	86,808	39.375	CHAMPION	006427-01	$225.00	$225.00	
4164	151 LAFAYETTE	55	86,569	39.267	CHAMPION	006428-01	$225.00	$225.00	
4165	151 LAFAYETTE	55	87,368	39.630	CHAMPION	006429-01	$225.00	$225.00	
4166	151 LAFAYETTE	55	86,589	39.276	CHAMPION	006430-01	$225.00	$225.00	
4167	151 LAFAYETTE	56	87,967	39.901	CHAMPION	006431-01	$225.00	$225.00	
4168	151 LAFAYETTE	55	86,695	39.324	CHAMPION	006432-01	$225.00	$225.00	
4169	36555 ECORSE	60	87,104	39.510	JP GRAHAM	23073	$270.00	$270.00	
4170	36555 ECORSE	55	87,339	39.616	JP GRAHAM	23074	$270.00	$270.00	
4171	36555 ECORSE	58	87,969	39.902	JP GRAHAM	23075	$270.00	$270.00	
4172	36555 ECORSE	55	87,230	39.567	JP GRAHAM	23076	$270.00	$270.00	
4173	36555 ECORSE	55	87,409	39.648	JP GRAHAM	23077	$270.00	$270.00	
4174	36555 ECORSE	55	87,639	39.752	JP GRAHAM	23086	$270.00	$270.00	
4175	36555 ECORSE	55	87,431	39.658	JP GRAHAM	23087	$270.00	$270.00	
4176	36555 ECORSE	60	86,679	39.317	JP GRAHAM	23272	$270.00	$270.00	
4177	36555 ECORSE	56	86,660	39.308	JP GRAHAM	23273	$270.00	$270.00	
4178	36555 ECORSE	55	87,356	39.624	JP GRAHAM	23274	$270.00	$270.00	
4179	36555 ECORSE	57	86,661	39.309	JP GRAHAM	23292	$270.00	$270.00	
4180	36555 ECORSE	55	86,725	39.338	JP GRAHAM	23354	$270.00	$270.00	
4181	36555 ECORSE	55	87,321	39.608	JP GRAHAM	23355	$270.00	$270.00	
4182	36555 ECORSE	55	87,330	39.612	JP GRAHAM	23886	$270.00	$270.00	
4183	36555 ECORSE	55	87,029	39.476	JP GRAHAM	23889	$270.00	$270.00	
4184	36555 ECORSE	55	86,967	39.448	JP GRAHAM	23890	$270.00	$270.00	
4185	36555 ECORSE	55	87,569	39.721	JP GRAHAM	23893	$270.00	$270.00	

	A	B	C	D	E	F	G
4186	BAR6828	92/92A	31-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	31-Jan-14
4187	BAR6829	93/93A	31-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	31-Jan-14
4188	BAR6823	93/93A	31-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	31-Jan-14
4189	BAR6826	670/670A	31-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	31-Jan-14
4190	BAR6818	93/93A	31-Jan-14	20495 PENNSYLVANIA	ABCQ	TBAR	31-Jan-14
4191	BAR5380 LTL	631/2140A	3-Feb-14	26090 23 MILE RD	ABCQ	TBAR	3-Feb-14
4192	BAR6433	631/2140A	3-Feb-14	26090 23 MILE RD	ABCQ	TBAR	3-Feb-14
4193	BAR6434	711/2138A	3-Feb-14	26090 23 MILE RD	ABCQ	TBAR	3-Feb-14
4194	BAR6435	9934/2144	3-Feb-14	26090 23 MILE RD	ABCQ	TBAR	3-Feb-14
4195	BAR6436	3140/2133A	3-Feb-14	26090 23 MILE RD	ABCQ	TBAR	3-Feb-14
4196	BAR6437	413/2137A	3-Feb-14	26090 23 MILE RD	ABCQ	TBAR	3-Feb-14
4197	BAR6438	111/2150A	3-Feb-14	26090 23 MILE RD	ABCQ	TBAR	3-Feb-14
4198	BAR6439	631/2140A	3-Feb-14	26090 23 MILE RD	ABCQ	TBAR	3-Feb-14
4199	BAR6440	711/2138A	3-Feb-14	26090 23 MILE RD	ABCQ	TBAR	3-Feb-14
4200	BAR6441	9934/2144	3-Feb-14	26090 23 MILE RD	ABCQ	TBAR	3-Feb-14
4201	BAR6442	3140/2133A	3-Feb-14	26090 23 MILE RD	ABCQ	TBAR	3-Feb-14
4202	BAR6443	413/2137A	3-Feb-14	26090 23 MILE RD	ABCQ	TBAR	3-Feb-14
4203	BAR6444	631/2140A	3-Feb-14	26090 23 MILE RD	ABCQ	TBAR	3-Feb-14
4204	BAR6445	111/2150A	3-Feb-14	26090 23 MILE RD	ABCQ	TBAR	3-Feb-14
4205	BAR6446	711/2138A	3-Feb-14	26090 23 MILE RD	ABCQ	TBAR	3-Feb-14
4206	BAR6447	9934/2144	3-Feb-14	26090 23 MILE RD	ABCQ	TBAR	3-Feb-14
4207	BAR6448	3140/2133A	3-Feb-14	26090 23 MILE RD	ABCQ	TBAR	3-Feb-14
4208	BAR6449	413/2137A	3-Feb-14	26090 23 MILE RD	ABCQ	TBAR	3-Feb-14
4209	BAR6450	631/2140A	3-Feb-14	26090 23 MILE RD	ABCQ	TBAR	3-Feb-14
4210	BAR6451	111/2150A	3-Feb-14	26090 23 MILE RD	ABCQ	TBAR	3-Feb-14
4211	BAR6452	711/2138A	3-Feb-14	26090 23 MILE RD	ABCQ	TBAR	3-Feb-14
4212	BAR6453	9934/2144	3-Feb-14	26090 23 MILE RD	ABCQ	TBAR	3-Feb-14
4213	BAR6454	3140/2133A	3-Feb-14	26090 23 MILE RD	ABCQ	TBAR	3-Feb-14
4214	BAR6455	413/2137A	3-Feb-14	26090 23 MILE RD	ABCQ	TBAR	3-Feb-14
4215	BAR6456	111/2150A	3-Feb-14	26090 23 MILE RD	ABCQ	TBAR	3-Feb-14
4216	BAR6457	711/2138A	3-Feb-14	26090 23 MILE RD	ABCQ	TBAR	3-Feb-14
4217	BAR6830	91/91A	3-Feb-14	20495 PENNSYLVANIA	ABCQ	TBAR	3-Feb-14
4218	BAR6836	91/91A	3-Feb-14	20495 PENNSYLVANIA	ABCQ	TBAR	3-Feb-14
4219	BAR6842	91/91A	3-Feb-14	20495 PENNSYLVANIA	ABCQ	TBAR	3-Feb-14
4220	BAR6832	11091/11091A	3-Feb-14	20495 PENNSYLVANIA	ABCQ	TBAR	3-Feb-14
4221	BAR6838	11091/11091A	3-Feb-14	20495 PENNSYLVANIA	ABCQ	TBAR	3-Feb-14
4222	BAR6841	007/007A	3-Feb-14	20495 PENNSYLVANIA	ABCQ	TBAR	3-Feb-14
4223	BAR6835	007/007A	3-Feb-14	20495 PENNSYLVANIA	ABCQ	TBAR	3-Feb-14
4224	BAR6839	670/670A	3-Feb-14	20495 PENNSYLVANIA	ABCQ	TBAR	3-Feb-14
4225	BAR6843	670/670A	3-Feb-14	20495 PENNSYLVANIA	ABCQ	TBAR	3-Feb-14
4226	BAR6833	670/670A	3-Feb-14	20495 PENNSYLVANIA	ABCQ	TBAR	3-Feb-14
4227	BAR6831	509/885	3-Feb-14	20495 PENNSYLVANIA	ABCQ	TBAR	3-Feb-14
4228	BAR6834	92/92A	3-Feb-14	20495 PENNSYLVANIA	ABCQ	TBAR	3-Feb-14
4229	BAR6837	509/885	3-Feb-14	20495 PENNSYLVANIA	ABCQ	TBAR	3-Feb-14
4230	BAR6840	92/92A	3-Feb-14	20495 PENNSYLVANIA	ABCQ	TBAR	3-Feb-14

	H	I	J	K	L	M	N	O	P
4186	36555 ECORSE	55	87,322	39.609	JP GRAHAM	23896	$270.00	$270.00	
4187	36555 ECORSE	55	87,647	39.756	JP GRAHAM	24087	$270.00	$270.00	
4188	36555 ECORSE	56	87,465	39.674	JP GRAHAM	24088	$270.00	$270.00	
4189	36555 ECORSE	55	87,761	39.808	JP GRAHAM	24096	$270.00	$270.00	
4190	36555 ECORSE	55	87,547	39.711	JP GRAHAM				
4191	151 LAFAYETTE	5	7,932	3.598	ALGER	005380-01	$225.00	$225.00	
4192	151 LAFAYETTE	55	87,130	39.522	ALGER	006433-01	$225.00	$225.00	
4193	151 LAFAYETTE	57	86,898	39.416	ALGER	006434-01	$225.00	$225.00	
4194	151 LAFAYETTE	55	87,295	39.596	ALGER	006435-01	$225.00	$225.00	
4195	151 LAFAYETTE	55	86,754	39.351	ALGER	006436-01	$225.00	$225.00	
4196	151 LAFAYETTE	55	86,666	39.311	ALGER	006437-01	$225.00	$225.00	
4197	151 LAFAYETTE	55	86,849	39.394	CHAMPION	006438-01	$225.00	$225.00	
4198	151 LAFAYETTE	55	86,891	39.413	ALGER	006439-01	$225.00	$225.00	
4199	151 LAFAYETTE	57	87,897	39.869	ALGER	006440-01	$225.00	$225.00	
4200	151 LAFAYETTE	57	87,324	39.610	ALGER	006441-01	$225.00	$225.00	
4201	151 LAFAYETTE	58	87,110	39.512	ALGER	006442-01	$225.00	$225.00	
4202	151 LAFAYETTE	55	86,751	39.350	ALGER	006443-01	$225.00	$225.00	
4203	151 LAFAYETTE	55	86,615	39.288	ALGER	006444-01	$225.00	$225.00	
4204	151 LAFAYETTE	55	87,196	39.551	CHAMPION	006445-01	$225.00	$225.00	
4205	151 LAFAYETTE	55	87,178	39.543	ALGER	006446-01	$225.00	$225.00	
4206	151 LAFAYETTE	59	86,967	39.448	ALGER	006447-01	$225.00	$225.00	
4207	151 LAFAYETTE	55	87,088	39.502	ALGER	006448-01	$225.00	$225.00	
4208	151 LAFAYETTE	55	86,601	39.282	ALGER	006449-01	$225.00	$225.00	
4209	151 LAFAYETTE	55	86,432	39.205	ALGER	006450-01	$225.00	$225.00	
4210	151 LAFAYETTE	55	86,954	39.442	CHAMPION	006451-01	$225.00	$225.00	
4211	151 LAFAYETTE	56	86,605	39.283	ALGER	006452-01	$225.00	$225.00	
4212	151 LAFAYETTE	55	87,062	39.491	ALGER	006453-01	$225.00	$225.00	
4213	151 LAFAYETTE	56	87,954	39.895	ALGER	006454-01	$225.00	$225.00	
4214	151 LAFAYETTE	55	86,886	39.411	ALGER	006455-01	$225.00	$225.00	
4215	151 LAFAYETTE	55	86,993	39.459	CHAMPION	006456-01	$225.00	$225.00	
4216	151 LAFAYETTE	58	86,771	39.359	ALGER	006457-01	$225.00	$225.00	
4217	36555 ECORSE	55	87,601	39.735	JP GRAHAM	23948	$270.00	$270.00	
4218	36555 ECORSE	55	86,546	39.257	JP GRAHAM	23949	$270.00	$270.00	
4219	36555 ECORSE	58	86,692	39.323	JP GRAHAM	23951	$270.00	$270.00	
4220	36555 ECORSE	55	87,632	39.749	JP GRAHAM	24017	$270.00	$270.00	
4221	36555 ECORSE	57	86,714	39.333	JP GRAHAM	24018	$270.00	$270.00	
4222	36555 ECORSE	55	87,173	39.541	JP GRAHAM	24090	$270.00	$270.00	
4223	36555 ECORSE	55	87,067	39.493	JP GRAHAM	24091	$270.00	$270.00	
4224	36555 ECORSE	60	87,065	39.492	JP GRAHAM	24099	$270.00	$270.00	
4225	36555 ECORSE	55	86,664	39.310	JP GRAHAM	24100	$270.00	$270.00	
4226	36555 ECORSE	55	87,332	39.613	JP GRAHAM	24104	$270.00	$270.00	
4227	36555 ECORSE	55	87,495	39.687	JP GRAHAM				
4228	36555 ECORSE	55	87,252	39.577	JP GRAHAM				
4229	36555 ECORSE	55	86,892	39.414	JP GRAHAM				
4230	36555 ECORSE	55	86,746	39.347	JP GRAHAM				

	A	B	C	D	E	F	G
4231	BAR5987	1/5428	4-Feb-14	1200 E. MCNICHOLS	ABCQ	TBAR	4-Feb-14
4232	BAR5988	1/5428	4-Feb-14	1200 E. MCNICHOLS	ABCQ	TBAR	4-Feb-14
4233	BAR5989	093/880	4-Feb-14	1200 E. MCNICHOLS	ABCQ	TBAR	4-Feb-14
4234	BAR5990	1/5428	4-Feb-14	1200 E. MCNICHOLS	ABCQ	TBAR	4-Feb-14
4235	BAR5991	Jan-28	5-Feb-14	1200 E. MCNICHOLS	ABCQ	TBAR	5-Feb-14
4236	BAR5992	1/5428	5-Feb-14	1200 E. MCNICHOLS	ABCQ	TBAR	5-Feb-14
4237	BAR6845	91/91A	5-Feb-14	20495 PENNSYLVANIA	ABCQ	TBAR	5-Feb-14
4238	BAR6844	670/670A	5-Feb-14	20495 PENNSYLVANIA	ABCQ	TBAR	5-Feb-14
4239	BAR6846	670/670A	5-Feb-14	20495 PENNSYLVANIA	ABCQ	TBAR	5-Feb-14
4240	BAR5993	Jan-28	6-Feb-14	1200 E. MCNICHOLS	ABCQ	TBAR	6-Feb-14
4241	BAR5994	Jan-28	6-Feb-14	1200 E. MCNICHOLS	ABCQ	TBAR	6-Feb-14
4242	BAR6847	91/91A	6-Feb-14	20495 PENNSYLVANIA	ABCQ	TBAR	6-Feb-14
4243	BAR5540	073/880	6-Feb-14	2599 22ND ST	ABCQ	TBAR	6-Feb-14
4244	BAR5541	093/880	6-Feb-14	2599 22ND ST	ABCQ	TBAR	6-Feb-14
4245	BAR7048	1/5428	7-Feb-14	6490 LYNCH	ABCQ	TBAR	7-Feb-14
4246	BAR7049	1/5428	7-Feb-14	6490 LYNCH	ABCQ	TBAR	7-Feb-14
4247	BAR5542	093/880	7-Feb-14	2599 22ND ST	ABCQ	TBAR	7-Feb-14
4248	BAR5545	093/880	7-Feb-14	2599 22ND ST	ABCQ	TBAR	7-Feb-14
4249	BAR5546	093/880	7-Feb-14	2599 22ND ST	ABCQ	TBAR	7-Feb-14
4250	BAR7050	093/880	10-Feb-14	6490 LYNCH	ABCQ	TBAR	10-Feb-14
4251	BAR7051	1/5428	10-Feb-14	6490 LYNCH	ABCQ	TBAR	10-Feb-14
4252	BAR7052	33/611A/B	10-Feb-14	6490 LYNCH	ABCQ	TBAR	10-Feb-14
4253	BAR7053	093/880	10-Feb-14	6490 LYNCH	ABCQ	TBAR	10-Feb-14
4254	BAR7054	1/5428	10-Feb-14	6490 LYNCH	ABCQ	TBAR	10-Feb-14
4255	BAR6849	670/670A	10-Feb-14	20495 PENNSYLVANIA	ABCQ	TBAR	10-Feb-14
4256	BAR6848	670/670A	10-Feb-14	20495 PENNSYLVANIA	ABCQ	TBAR	10-Feb-14
4257	BAR5995	1	11-Feb-14	1200 E. MCNICHOLS	ABCQ	TBAR	11-Feb-14
4258	BAR5996LTL	1	11-Feb-14	1200 E. MCNICHOLS	ABCQ	TBAR	11-Feb-14
4259	BAR6458	711/2138	11-Feb-14	26090 23 MILE RD	ABCQ	TBAR	11-Feb-14
4260	BAR6459	9934/2134	11-Feb-14	26090 23 MILE RD	ABCQ	TBAR	11-Feb-14
4261	BAR6852	670/670A	11-Feb-14	20495 PENNSYLVANIA	ABCQ	TBAR	11-Feb-14
4262	BAR6850	670/670A	11-Feb-14	20495 PENNSYLVANIA	ABCQ	TBAR	11-Feb-14
4263	BAR6851	91/91A	11-Feb-14	20495 PENNSYLVANIA	ABCQ	TBAR	11-Feb-14
4264	BAR6460	9934/2144	12-Feb-14	26090 23 MILE RD	ABCQ	TBAR	12-Feb-14
4265	BAR6461	711/2138A	12-Feb-14	26090 23 MILE RD	ABCQ	TBAR	12-Feb-14
4266	BAR6462	9934/2144	12-Feb-14	26090 23 MILE RD	ABCQ	TBAR	12-Feb-14
4267	BAR6463	711/2138A	12-Feb-14	26090 23 MILE RD	ABCQ	TBAR	12-Feb-14
4268	BAR6854	670/670A	12-Feb-14	20495 PENNSYLVANIA	ABCQ	TBAR	12-Feb-14
4269	BAR6853	91/91A	12-Feb-14	20495 PENNSYLVANIA	ABCQ	TBAR	12-Feb-14
4270	BAR6855	91/91A	12-Feb-14	20495 PENNSYLVANIA	ABCQ	TBAR	12-Feb-14
4271	BAR6464	711/2138A	13-Feb-14	26090 23 MILE RD	ABCQ	TBAR	13-Feb-14
4272	BAR6465	9934/2144	13-Feb-14	26090 23 MILE RD	ABCQ	TBAR	13-Feb-14
4273	BAR6466	9934/2144	13-Feb-14	26090 23 MILE RD	ABCQ	TBAR	13-Feb-14
4274	BAR6857	91/91A	13-Feb-14	20495 PENNSYLVANIA	ABCQ	TBAR	13-Feb-14
4275	BAR6856	91/91A	13-Feb-14	20495 PENNSYLVANIA	ABCQ	TBAR	13-Feb-14

	H	I	J	K	L	M	N	O	P
4231	6490 LYNCH	56	87,547	39.711	CLASSIC	269	$200.00	$200.00	
4232	6490 LYNCH	60	86,729	39.340	CLASSIC	269	$200.00	$200.00	
4233	6490 LYNCH	56	87,510	39.694	CLASSIC	269	$200.00	$200.00	
4234	6490 LYNCH	55	86,709	39.331	CLASSIC	269	$200.00	$200.00	
4235	6490 LYNCH	57	87,064	39.492	CLASSIC	269	$200.00	$200.00	
4236	6490 LYNCH	57	86,805	39.374	CLASSIC	269	$200.00	$200.00	
4237	36555 ECORSE	55	86,694	39.324	JP GRAHAM	23959	$270.00	$270.00	
4238	36555 ECORSE	55	86,663	39.310	JP GRAHAM	24101	$270.00	$270.00	
4239	36555 ECORSE	58	87,027	39.475	JP GRAHAM	24102	$270.00	$270.00	
4240	6490 LYNCH	58	87,225	39.565	CLASSIC	269	$200.00	$200.00	
4241	6490 LYNCH	61	87,720	39.789	CLASSIC	269	$200.00	$200.00	
4242	36555 ECORSE	59	87,999	39.916	JP GRAHAM	23960	$270.00	$270.00	
4243	3801 W. JEFFERSON	55	87,025	39.474	CLASSIC	269	$275.00	$275.00	
4244	3801 W. JEFFERSON	55	87,246	39.574	CLASSIC	269	$275.00	$275.00	
4245	160 VISGER	57	86,501	39.236	CLASSIC	269	$240.00	$240.00	
4246	160 VISGER	56	87,934	39.886	CLASSIC	269	$240.00	$240.00	
4247	3801 W. JEFFERSON	55	87,340	39.617	CLASSIC	269	$275.00	$275.00	
4248	1550 SUPERIOR PKWY	55	87,319	39.607	CLASSIC	269	$275.00	$275.00	
4249	1550 SUPERIOR PKWY	55	87,228	39.566	CLASSIC	269	$275.00	$275.00	
4250	160 VISGER	55	86,982	39.454	CLASSIC	271	$240.00	$240.00	
4251	160 VISGER	56	87,971	39.903	CLASSIC	271	$240.00	$240.00	
4252	160 VISGER	55	86,473	39.224	CLASSIC	271	$240.00	$240.00	
4253	160 VISGER	55	86,667	39.312	CLASSIC	271	$240.00	$240.00	
4254	160 VISGER	55	86,758	39.353	CLASSIC	271	$240.00	$240.00	
4255	36555 ECORSE	58	86,951	39.440	JP GRAHAM	25155	$270.00	$270.00	
4256	36555 ECORSE	56	87,814	39.832	JP GRAHAM	25158	$270.00	$270.00	
4257	6490 LYNCH	55	86,887	39.411	CLASSIC	271	$200.00	$200.00	
4258	6490 LYNCH	44	65,888	29.886	CLASSIC	271	$200.00	$200.00	
4259	151 LAFAYETTE	55	87,091	39.504	ALGER	006458-01	$225.00	$225.00	
4260	151 LAFAYETTE	55	87,033	39.478	ALGER	006459-01	$225.00	$225.00	
4261	36555 ECORSE	59	86,579	39.272	JP GRAHAM	25153	$270.00	$270.00	
4262	36555 ECORSE	57	87,976	39.905	JP GRAHAM	25154	$270.00	$270.00	
4263	36555 ECORSE	57	86,574	39.269	JP GRAHAM	25205	$270.00	$270.00	
4264	151 LAFAYETTE	55	87,244	39.573	ALGER	006460-01	$225.00	$225.00	
4265	151 LAFAYETTE	55	86,909	39.421	ALGER	006461-01	$225.00	$225.00	
4266	151 LAFAYETTE	55	87,240	39.571	ALGER	006462-01	$225.00	$225.00	
4267	151 LAFAYETTE	57	87,891	39.867	ALGER	006463-01	$225.00	$225.00	
4268	36555 ECORSE	55	86,798	39.371	JP GRAHAM	25149	$270.00	$270.00	
4269	36555 ECORSE	55	86,874	39.405	JP GRAHAM	25206	$270.00	$270.00	
4270	36555 ECORSE	55	86,569	39.267	JP GRAHAM	25207	$270.00	$270.00	
4271	151 LAFAYETTE	56	87,162	39.536	ALGER	006464-01	$225.00	$225.00	
4272	151 LAFAYETTE	55	87,282	39.590	ALGER	006465-01	$225.00	$225.00	
4273	151 LAFAYETTE	55	86,558	39.262	ALGER	006466-01	$225.00	$225.00	
4274	36555 ECORSE	55	86,817	39.380	JP GRAHAM	25209.01	$270.00	$270.00	
4275	36555 ECORSE	55	86,620	39.290	JP GRAHAM	25210	$270.00	$270.00	

	A	B	C	D	E	F	G
4276	BAR5544LTL	093/9941AB	13-Feb-14	2599 22ND ST	ABCQ	TBAR	13-Feb-14
4277	BAR5547	093/9941AB	13-Feb-14	2599 22ND ST	ABCQ	TBAR	13-Feb-14
4278	BAR6467	711/2138A	14-Feb-14	26090 23 MILE RD	ABCQ	TBAR	14-Feb-14
4279	BAR6468	9934/2144	14-Feb-14	26090 23 MILE RD	ABCQ	TBAR	14-Feb-14
4280	BAR6469	711/2138A	14-Feb-14	26090 23 MILE RD	ABCQ	TBAR	14-Feb-14
4281	BAR6858	670/670A	14-Feb-14	20495 PENNSYLVANIA	ABCQ	TBAR	14-Feb-14
4282	BAR6859	91/91A	14-Feb-14	20495 PENNSYLVANIA	ABCQ	TBAR	14-Feb-14
4283	BAR5589	093/9941A/B	14-Feb-14	2599 22ND ST	ABCQ	TBAR	14-Feb-14
4284	BAR5543LTL	093/9941A/B	14-Feb-14	2599 22ND ST	ABCQ	TBAR	14-Feb-14
4285	BAR5613	2132/2140A	18-Feb-14	160 VISGER	ABCQ	TBAR	18-Feb-14
4286	BAR5614LTL	2132/2140A	18-Feb-14	160 VISGER	ABCQ	TBAR	18-Feb-14
4287	BAR6470	9934/2144	18-Feb-14	26090 23 MILE RD	ABCQ	TBAR	18-Feb-14
4288	BAR6471	9934/2144	18-Feb-14	26090 23 MILE RD	ABCQ	TBAR	18-Feb-14
4289	BAR6472	9934/2144	18-Feb-14	26090 23 MILE RD	ABCQ	TBAR	18-Feb-14
4290	BAR6860	91/91A	18-Feb-14	20495 PENNSYLVANIA	ABCQ	TBAR	18-Feb-14
4291	BAR6861	91/91A	18-Feb-14	20495 PENNSYLVANIA	ABCQ	TBAR	18-Feb-14
4292	BAR6473	711/2138A	19-Feb-14	26090 23 MILE RD	ABCQ	TBAR	19-Feb-14
4293	BAR6474	711/2138A	19-Feb-14	26090 23 MILE RD	ABCQ	TBAR	19-Feb-14
4294	BAR6862	91/91A	19-Feb-14	20495 PENNSYLVANIA	ABCQ	TBAR	19-Feb-14
4295	BAR6864	91/91A	19-Feb-14	20495 PENNSYLVANIA	ABCQ	TBAR	19-Feb-14
4296	BAR6865	670/670A	19-Feb-14	20495 PENNSYLVANIA	ABCQ	TBAR	19-Feb-14
4297	BAR6863	670/670	19-Feb-14	20495 PENNSYLVANIA	ABCQ	TBAR	19-Feb-14
4298	BAR6866	670/670A	19-Feb-14	20495 PENNSYLVANIA	ABCQ	TBAR	19-Feb-14
4299	BAR6475	9934/2144	20-Feb-14	26090 23 MILE RD	ABCQ	TBAR	20-Feb-14
4300	BAR6476	711/2138A	20-Feb-14	26090 23 MILE RD	ABCQ	TBAR	20-Feb-14
4301	BAR6477	711/2138A	20-Feb-14	26090 23 MILE RD	ABCQ	TBAR	20-Feb-14
4302	BAR6868	91/91A	20-Feb-14	20495 PENNSYLVANIA	ABCQ	TBAR	20-Feb-14
4303	BAR6870	91/91A	20-Feb-14	20495 PENNSYLVANIA	ABCQ	TBAR	20-Feb-14
4304	BAR6867	670/670A	20-Feb-14	20495 PENNSYLVANIA	ABCQ	TBAR	20-Feb-14
4305	BAR6869	670/670A	20-Feb-14	20495 PENNSYLVANIA	ABCQ	TBAR	20-Feb-14
4306	BAR6478	711/2138A	21-Feb-14	26090 23 MILE RD	ABCQ	TBAR	21-Feb-14
4307	BAR6479	711/2138A	21-Feb-14	26090 23 MILE RD	ABCQ	TBAR	21-Feb-14
4308	BAR6872	91/91A	21-Feb-14	20495 PENNSYLVANIA	ABCQ	TBAR	21-Feb-14
4309	BAR6874	91/91A	21-Feb-14	20495 PENNSYLVANIA	ABCQ	TBAR	21-Feb-14
4310	BAR6871	670/670A	21-Feb-14	20495 PENNSYLVANIA	ABCQ	TBAR	21-Feb-14
4311	BAR6873	670/670A	21-Feb-14	20495 PENNSYLVANIA	ABCQ	TBAR	21-Feb-14
4312	BAR6875	670/670A	21-Feb-14	20495 PENNSYLVANIA	ABCQ	TBAR	21-Feb-14
4313	BAR6877	91/91A	24-Feb-14	20495 PENNSYLVANIA	ABCQ	TBAR	24-Feb-14
4314	BAR6880	91/91A	24-Feb-14	20495 PENNSYLVANIA	ABCQ	TBAR	24-Feb-14
4315	BAR6878	670/670A	24-Feb-14	20495 PENNSYLVANIA	ABCQ	TBAR	24-Feb-14
4316	BAR6876	670/67A	24-Feb-14	20495 PENNSYLVANIA	ABCQ	TBAR	24-Feb-14
4317	BAR6881	670/670A	24-Feb-14	20495 PENNSYLVANIA	ABCQ	TBAR	24-Feb-14
4318	BAR6879	91/91A	24-Feb-14	20495 PENNSYLVANIA	ABCQ	TBAR	24-Feb-14
4319	BAR6883	91/91A	27-Feb-14	20495 PENNSYLVANIA	ABCQ	TBAR	27-Feb-14
4320	BAR6885	91/91A	27-Feb-14	20495 PENNSYLVANIA	ABCQ	TBAR	27-Feb-14

	H	I	J	K	L	M	N	O	P
4276	1550 SUPERIOR PKWY	40	63,566	28,833	CLASSIC	271	$275.00	$275.00	
4277	1550 SUPERIOR PKWY	55	87,370	39,630	CLASSIC	271	$275.00	$275.00	
4278	151 LAFAYETTE	55	86,830	39,385	ALGER	006467-01	$225.00	$225.00	
4279	151 LAFAYETTE	55	87,114	39,514	ALGER	006468-01	$225.00	$225.00	
4280	151 LAFAYETTE	55	87,304	39,600	ALGER	006469-01	$225.00	$225.00	
4281	36555 ECORSE	55	86,736	39,343	JP GRAHAM	25147	$270.00	$270.00	
4282	36555 ECORSE	57	87,498	39,688	JP GRAHAM	25211	$270.00	$270.00	
4283	1550 SUPERIOR PKWY	47	74,498	33,792	CLASSIC	271	$275.00	$275.00	
4284	1550 SUPERIOR PKWY	15	23,713	10,756	CLASSIC	271	$275.00	$275.00	
4285	308 ANTOINE ST N	55	87,382	39,636	ALGER	005613-01	$215.00	$215.00	
4286	308 ANTOINE ST N	48	71,354	32,366	ALGER	005614-01	$215.00	$215.00	
4287	151 LAFAYETTE	55	86,921	39,427	ALGER	006470-01	$225.00	$225.00	
4288	151 LAFAYETTE	55	86,833	39,387	ALGER	006471-01	$225.00	$225.00	
4289	151 LAFAYETTE	55	86,813	39,378	ALGER	006472-01	$225.00	$225.00	
4290	36555 ECORSE	57	87,145	39,528	JP GRAHAM	25858	$270.00	$270.00	
4291	36555 ECORSE	58	87,776	39,815	JP GRAHAM	25859	$270.00	$270.00	
4292	151 LAFAYETTE	55	86,985	39,456	ALGER	006473-01	$225.00	$225.00	
4293	151 LAFAYETTE	55	86,814	39,378	ALGER	006474-01	$225.00	$225.00	
4294	36555 ECORSE	60	87,475	39,678	JP GRAHAM	25864	$270.00	$270.00	
4295	36555 ECORSE	56	87,078	39,498	JP GRAHAM	25865	$270.00	$270.00	
4296	36555 ECORSE	55	86,894	39,415	JP GRAHAM	25939	$270.00	$270.00	
4297	36555 ECORSE	60	86,797	39,371	JP GRAHAM	25940	$270.00	$270.00	
4298	36555 ECORSE	55	86,874	39,405	JP GRAHAM	25941	$270.00	$270.00	
4299	151 LAFAYETTE	55	86,673	39,314	ALGER	006475-01	$225.00	$225.00	
4300	151 LAFAYETTE	56	87,662	39,763	ALGER	006476-01	$225.00	$225.00	
4301	151 LAFAYETTE	62	87,586	39,728	ALGER	006477-01	$225.00	$225.00	
4302	36555 ECORSE	58	86,851	39,395	JP GRAHAM	25866	$270.00	$270.00	
4303	36555 ECORSE	55	86,788	39,366	JP GRAHAM	25867	$270.00	$270.00	
4304	36555 ECORSE	55	86,648	39,303	JP GRAHAM	25942	$270.00	$270.00	
4305	36555 ECORSE	58	86,670	39,313	JP GRAHAM	25943	$270.00	$270.00	
4306	151 LAFAYETTE	60	86,671	39,313	ALGER	006478-01	$225.00	$225.00	
4307	151 LAFAYETTE	55	86,678	39,317	ALGER	006479-01	$225.00	$225.00	
4308	36555 ECORSE	55	86,759	39,353	JP GRAHAM	25868	$270.00	$270.00	
4309	36555 ECORSE	56	87,835	39,841	JP GRAHAM	25869	$270.00	$270.00	
4310	36555 ECORSE	55	86,867	39,402	JP GRAHAM	25944	$270.00	$270.00	
4311	36555 ECORSE	55	86,956	39,443	JP GRAHAM	25945	$270.00	$270.00	
4312	36555 ECORSE	55	86,493	39,233	JP GRAHAM	25946	$270.00	$270.00	
4313	36555 ECORSE	55	87,176	39,542	JP GRAHAM	26657	$270.00	$270.00	
4314	36555 ECORSE	55	87,575	39,723	JP GRAHAM	26660	$270.00	$270.00	
4315	36555 ECORSE	59	87,898	39,870	JP GRAHAM	26947	$270.00	$270.00	
4316	36555 ECORSE	55	86,980	39,454	JP GRAHAM	26948	$270.00	$270.00	
4317	36555 ECORSE	58	86,634	39,297	JP GRAHAM	26966	$270.00	$270.00	
4318	36555 ECORSE	55	86,464	39,219	JP GRAHAM				
4319	36555 ECORSE	55	87,350	39,621	JP GRAHAM	26677	$270.00	$270.00	
4320	36555 ECORSE	55	86,719	39,335	JP GRAHAM	26678	$270.00	$270.00	

	A	B	C	D	E	F	G
4321	BAR6884	670/670A	27-Feb-14	20495 PENNSYLVANIA	ABCQ	TBAR	27-Feb-14
4322	BAR6882	670/670A	27-Feb-14	20495 PENNSYLVANIA	ABCQ	TBAR	27-Feb-14
4323	BAR7070	670/670A	27-Feb-14	20495 PENNSYLVANIA	ABCQ	TBAR	27-Feb-14
4324	BAR5641	806	28-Feb-14	6307 WEST FORT ST	ABCQ	TBAR	28-Feb-14
4325	BAR5379LTL	806	28-Feb-14	6307 WEST FORT ST	ABCQ	TBAR	28-Feb-14
4326	BAR7072	91/91A	28-Feb-14	20495 PENNSYLVANIA	ABCQ	TBAR	28-Feb-14
4327	BAR7074LTL	91/91A	28-Feb-14	20495 PENNSYLVANIA	ABCQ	TBAR	28-Feb-14
4328	BAR7071	670/670A	28-Feb-14	20495 PENNSYLVANIA	ABCQ	TBAR	28-Feb-14
4329	BAR7073	670/670A	28-Feb-14	20495 PENNSYLVANIA	ABCQ	TBAR	28-Feb-14
4330	BAR7082	2133/2141A	6-Mar-14	8650 MT ELLIOTT	ABCQ	TBAR	6-Mar-14
4331	BAR7083	6/0080	10-Mar-14	4815 CABOT	ABCQ	TBAR	10-Mar-14
4332							
4333							

	H	I	J	K	L	M	N	O	P
4321	36555 ECORSE	55	87,072	39.495	JP GRAHAM	26949	$270.00	$270.00	
4322	36555 ECORSE	58	87,129	39.521	JP GRAHAM	26950	$270.00	$270.00	
4323	36555 ECORSE	55	86,732	39.341	JP GRAHAM	26962	$270.00	$270.00	
4324	4815 CABOT	57	87,529	39.703	CLASSIC	275	$200.00	$200.00	
4325	4815 CABOT	21	30,524	13.845	CLASSIC	275	$200.00	$200.00	
4326	36555 ECORSE	57	87,483	39.682	JP GRAHAM	26680	$270.00	$270.00	
4327	36555 ECORSE	30	47,144	21.384	JP GRAHAM	26681	$270.00	$270.00	
4328	36555 ECORSE	58	87,444	39.664	JP GRAHAM	26964	$270.00	$270.00	
4329	36555 ECORSE	55	86,566	39.266	JP GRAHAM	26965	$270.00	$270.00	
4330	1200 E. MCNICHOLS AVE.	3	4,693	2.129	ALGER	007082-01	$225.00	$225.00	
4331	3801 W. JEFFERSON	30	47,575	21.580	CLASSIC				
4332									
4333				**168,978.281**			**$1,006,679.00**	**$1,006,670.00**	

	A	B	C	D	E	F	G	H	I	J	K	L
1	BOL #	TRK	DATE	FROM			DATE	TO	TOTAL	TOTAL	TOTAL	TRUCKING
2	GLC14753	4/4B	23-May-12	1200 E. McNichols	Alcan	SOW	23-May-13	6490 Lynch	64	87,443	39.664	Classic Cartage
3	GLC14495	5428	2-May-13	17423 West Jefferson	Ormet	SOW	2-May-13	7900 Haggerty	60	87,678	39.770	Classic Cartage
4	GLC14496	80	2-May-13	17423 West Jefferson	Ormet/ ME Alcoa	SOW	2-May-13	7900 Haggerty	60	86,687	39.321	Classic Cartage
5	GLC14497	5428	2-May-13	17423 West Jefferson	ME Alcoa	SOW	2-May-13	7900 Haggerty	64	86,795	39.370	Classic Cartage
6	GLC14498	80	2-May-13	17423 West Jefferson	Alcan/Alcoa	SOW	2-May-13	7900 Haggerty	64	87,056	39.488	Classic Cartage
7	GLC14499	808	2-May-13	17423 West Jefferson	Alcan	TBAR	2-May-13	7900 Haggerty	57	87,118	39.516	Classic Cartage
8	GLC14500	15097	2-May-13	17423 West Jefferson	Alcan/Alcoa	SOW/TBAR	2-May-13	7900 Haggerty	66	87,960	39.898	Classic Cartage
9	GLC15038	520/611A0	2-May-13	26090 23 Mile Rd	Intalco	ING	2-May-13	50703 E Russell	46	87,785	39.819	Classic Cartage
10	GLC15039	4/4B	2-May-13	26090 23 Mile Rd	Intalco	ING	2-May-13	50703 E Russell	45	86,919	39.426	Classic Cartage
11	GLC15040	6/808	2-May-13	26090 23 Mile Rd	Intalco	ING	2-May-13	50703 E Russell	45	86,458	39.217	Classic Cartage
12	GLC15041	520/611AB	2-May-13	26090 23 Mile Rd	Intalco	ING	2-May-13	50703 E Russell	46	87,696	39.778	Classic Cartage
13	GLC15042	4/4B	2-May-13	26090 23 Mile Rd	Intalco	ING	2-May-13	50703 E Russell	46	87,302	39.600	Classic Cartage
14	GLC15043	520/611AB	2-May-13	26090 23 Mile Rd	Intalco/Alma	ING/SOW	2-May-13	50703 E Russell	50	87,214	39.560	Classic Cartage
15	GLC15044	6/808	2-May-13	26090 23 Mile Rd	Alma	Sow	2-May-13	50703 E Russell	64	86,360	39.172	Classic Cartage
16	GLC15045	4/4B	2-May-13	26090 23 Mile Rd	Alma	Sow	2-May-13	50703 E Russell	64	87,474	39.678	Classic Cartage
17	GLC15046	6/808	2-May-13	26090 23 Mile Rd	Alma	Sow	2-May-13	50703 E Russell	63	86,578	39.271	Classic Cartage
18	GLC15047	520/611AB	2-May-13	26090 23 Mile Rd	Alma	Sow	2-May-13	50703 E Russell	62	86,764	39.356	Classic Cartage
19	GLC15438	11/2137A	2-May-13	151 Lafayette	Alcan	ING	2-May-13	26090 23 Mile Rd	41	86,971	39.449	ALGER
20	GLC15439	108/2140A	2-May-13	151 Lafayette	Alcan	ING	2-May-13	26090 23 Mile Rd	41	86,556	39.261	ALGER
21	GLC15440	711/2139A	2-May-13	151 Lafayette	Alcan	ING	2-May-13	26090 23 Mile Rd	41	86,848	39.394	ALGER
22	GLC15441	9934/2144A	2-May-13	151 Lafayette	Alcan	ING	2-May-13	26090 23 Mile Rd	41	86,754	39.351	ALGER
23	GLC15442	111/2137A	2-May-13	151 Lafayette	Alcan	ING	2-May-13	26090 23 Mile Rd	40	85,036	38.572	ALGER
24	GLC15443	108/2140A	2-May-13	151 Lafayette	Alcan	ING	2-May-13	26090 23 Mile Rd	41	86,814	39.378	ALGER
25	GLC15444	711/2138A	2-May-13	151 Lafayette	Alcan	ING	2-May-13	26090 23 Mile Rd	40	84,899	38.510	ALGER
26	GLC15445	9934/2144	2-May-13	151 Lafayette	Alcan	ING	2-May-13	26090 23 Mile Rd	41	86,319	39.154	ALGER
27	GLC15446	108/2140A	2-May-13	151 Lafayette	Alcan	ING	2-May-13	26090 23 Mile Rd	41	86,741	39.345	ALGER
28	GLC15447	711/2138A	2-May-13	151 Lafayette	Alcan	SOW/ING	2-May-13	26090 23 Mile Rd	41	72,692	32.973	ALGER
29	GLC15448	9934/2144A	2-May-13	151 Lafayette	Alcan	SOW	2-May-13	26090 23 Mile Rd	61	86,537	39.253	ALGER
30	GLC15449	108/2140A	2-May-13	151 Lafayette	Alcan	SOW	2-May-13	26090 23 Mile Rd	61	87,608	39.738	ALGER
31	GLC15450	711/2138A	2-May-13	151 Lafayette	Alcan	SOW	2-May-13	26090 23 Mile Rd	60	87,262	39.581	ALGER
32	GLC15451	9934/2144A	2-May-13	151 Lafayette	Alcan	SOW	2-May-13	26090 23 Mile Rd	62	86,786	39.366	ALGER
33	GLC15452	108/2140A	2-May-13	151 Lafayette	Alcan	SOW	2-May-13	26090 23 Mile Rd	64	87,255	39.578	ALGER
34	GLC15933	4/4B	2-May-13	50750 Russell Schmidt	Abi	TBAR	2-May-13	26090 23 Mile Rd	54	87,838	39.843	Classic Cartage
35	GLC15934LTL	6/818	2-May-13	50750 Russell Schmidt	Abi	TBAR	2-May-13	26090 23 Mile Rd	14	22,770	10.328	Classic Cartage
36	GLC13912	924/5428	3-May-13	Superior Parkway B	Alouette	SOW	3-May-13	7900 Haggerty	55	86,939	39.435	Classic Cartage
37	GLC13913	924/5428	3-May-13	Superior Parkway B	Alouette	SOW	3-May-13	7900 Haggerty	56	87,605	39.737	Classic Cartage
38	GLC13914	924/5428	3-May-13	Superior Parkway B	Alouette	SOW	3-May-13	7900 Haggerty	56	87,689	39.775	Classic Cartage
39	GLC13915	4/4B	3-May-13	Superior Parkway B	Alouette	SOW	3-May-13	7900 Haggerty	55	86,620	39.290	Classic Cartage
40	GLC13916	33/080	3-May-13	Superior Parkway B	Alouette	SOW	3-May-13	7900 Haggerty	56	87,979	39.907	Classic Cartage
41	GLC13917	924/5428	3-May-13	Superior Parkway B	Alouette	SOW	3-May-13	7900 Haggerty	55	86,576	39.270	Classic Cartage
42	GLC13918	4/4B	3-May-13	Superior Parkway B	Alouette	SOW	3-May-13	7900 Haggerty	55	86,591	39.277	Classic Cartage
43	GLC14362	924/5428	3-May-13	308 S. Antoine	Alma/Alcan	SOW/ING	3-May-13	308 Antoine	47	87,284	39.591	Classic Cartage
44	GLC14417	108/2140A	3-May-13	9450 Buffalo	Alcan	SOW	3-May-13	2599 22nd St	59	86,843	39.391	ALGER
45	GLC14418	2140A	3-May-13	9450 Buffalo	Alcan	SOW	3-May-13	2599 22nd St	59	87,667	39.765	ALGER

	M	N	O
1	**INV**	**FREIGHT**	**INV**
2	112	$200.00	$200.00
3	103	$240.00	$240.00
4	103	$240.00	$240.00
5	103	$240.00	$240.00
6	103	$240.00	$240.00
7	103	$240.00	$240.00
8	103	$240.00	$240.00
9	103	$200.00	$200.00
10	103	$200.00	$200.00
11	103	$200.00	$200.00
12	103	$200.00	$200.00
13	103	$200.00	$200.00
14	103	$200.00	$200.00
15	103	$200.00	$200.00
16	103	$200.00	$200.00
17	103	$200.00	$200.00
18	103	$200.00	$200.00
19	15438-01	$225.00	$225.00
20	15439-01	$225.00	$225.00
21	15440-01	$225.00	$225.00
22	15441-01	$225.00	$225.00
23	15442-01	$225.00	$225.00
24	15443-01	$225.00	$225.00
25	15444-01	$225.00	$225.00
26	15445-01	$225.00	$225.00
27	15446-01	$225.00	$225.00
28	15447-01	$225.00	$225.00
29	15448-01	$225.00	$225.00
30	15449-01	$225.00	$225.00
31	15450-01	$225.00	$225.00
32	15451-01	$225.00	$225.00
33	15452-01	$225.00	$225.00
34	103	$200.00	$200.00
35	103	$200.00	$200.00
36	103	$200.00	$200.00
37	103	$200.00	$200.00
38	103	$200.00	$200.00
39	103	$200.00	$200.00
40	103	$200.00	$200.00
41	103	$200.00	$200.00
42	103	$200.00	$200.00
43	103	$100.00	$100.00
44	14417-01	$225.00	$225.00
45	14418-01	$225.00	$225.00

	A	B	C	D	E	F	G	H	I	J	K	L
46	GLC14419	2140A	3-May-13	9450 Buffalo	Alcan	SOW	3-May-13	2599 22nd St	57	86,469	39.222	ALGER
47	GLC14420	2140A	3-May-13	9450 Buffalo	Alcoa Massena East/Alcan	SOW	3-May-13	2599 22nd St	64	87,158	39.534	ALGER
48	GLC14421	2140A	3-May-13	9450 Buffalo	Alcoa Massena East/Alcan	SOW	3-May-13	2599 22nd St	65	87,809	39.830	ALGER
49	GLC14501	4B	3-May-13	17423 West Jefferson	Alcan	SOW/TBAR	3-May-13	7900 Haggerty	59	87,424	39.655	Classic Cartage
50	GLC14502	80	3-May-13	17423 West Jefferson	Alcan	TBAR	3-May-13	7900 Haggerty	57	87,189	39.548	Classic Cartage
51	GLC14503	611	3-May-13	17423 West Jefferson	Alcan	TBAR	3-May-13	7900 Haggerty	57	87,171	39.540	Classic Cartage
52	GLC14504	806	3-May-13	17423 West Jefferson	Alcan	TBAR	3-May-13	7900 Haggerty	57	87,220	39.562	Classic Cartage
53	GLC14505	15097	3-May-13	17423 West Jefferson	Alcan	TBAR	3-May-13	7900 Haggerty	57	87,099	39.507	Classic Cartage
54	GLC15048	6/808	3-May-13	26090 23 Mile Rd	Alma	SOW	3-May-13	50703 E Russell	65	87,019	39.471	Classic Cartage
55	GLC15049	520/611AB	3-May-13	26090 23 Mile Rd	Alma	SOW	3-May-13	50703 E Russell	64	87,207	39.556	Classic Cartage
56	GLC15050	6/808	3-May-13	26090 23 Mile Rd	Alma	SOW	3-May-13	50703 E Russell	63	86,804	39.374	Classic Cartage
57	GLC15051	520/611AB	3-May-13	26090 23 Mile Rd	Alma	SOW	3-May-13	50703 E Russell	62	87,117	39.516	Classic Cartage
58	GLC15052	6/808	3-May-13	26090 23 Mile Rd	Alma	SOW	3-May-13	50703 E Russell	66	87,321	39.608	Classic Cartage
59	GLC15053	520/611AB	3-May-13	26090 23 Mile Rd	Alma	SOW	3-May-13	50703 E Russell	64	87,101	39.508	Classic Cartage
60	GLC15054	6/808	3-May-13	26090 23 Mile Rd	Alma	SOW	3-May-13	50703 E Russell	65	87,748	39.802	Classic Cartage
61	GLC15055	520/611AB	3-May-13	26090 23 Mile Rd	Alma	SOW	3-May-13	50703 E Russell	64	87,379	39.634	Classic Cartage
62	GLC15056	6/808	3-May-13	26090 23 Mile Rd	Alma	SOW	3-May-13	50703 E Russell	67	87,663	39.763	Classic Cartage
63	GLC15057	520/611AB	3-May-13	26090 23 Mile Rd	Alma	SOW	3-May-13	50703 E Russell	64	87,072	39.495	Classic Cartage
64	GLC15453	711/2138A	3-May-13	151 Lafayette	Alcan	SOW	3-May-13	26090 23 Mile Rd	65	87,414	39.650	ALGER
65	GLC15454	9934/2144A	3-May-13	151 Lafayette	Alcan	SOW	3-May-13	26090 23 Mile Rd	61	87,370	39.630	ALGER
66	GLC15455	111/2137A	3-May-13	151 Lafayette	Alcan	SOW	3-May-13	26090 23 Mile Rd	64	87,168	39.539	ALGER
67	GLC15456	2132/2134A	3-May-13	151 Lafayette	Alcan	SOW	3-May-13	26090 23 Mile Rd	64	87,497	39.688	ALGER
68	GLC15457	711/2138A	3-May-13	151 Lafayette	Alcan	SOW	3-May-13	26090 23 Mile Rd	65	87,261	39.581	ALGER
69	GLC15458	9934/2144	3-May-13	151 Lafayette	Alcan	SOW	3-May-13	26090 23 Mile Rd	65	86,720	39.336	ALGER
70	GLC15459	2132/2134A	3-May-13	151 Lafayette	Alcan	SOW	3-May-13	26090 23 Mile Rd	60	86,774	39.360	ALGER
71	GLC15460	111/2139A	3-May-13	151 Lafayette	Alcan	SOW	3-May-13	26090 23 Mile Rd	66	86,974	39.451	ALGER
72	GLC15461	711/2138A	3-May-13	151 Lafayette	Alcan	SOW	3-May-13	26090 23 Mile Rd	66	87,756	39.805	ALGER
73	GLC15462	9934/2144A	3-May-13	151 Lafayette	Alcan	SOW	3-May-13	26090 23 Mile Rd	59	84,087	38.141	ALGER
74	GLC15463	2132/2134A	3-May-13	151 Lafayette	Alcan	SOW	3-May-13	26090 23 Mile Rd	62	87,618	39.743	ALGER
75	GLC15464	111/2137A	3-May-13	151 Lafayette	Alcan	SOW	3-May-13	26090 23 Mile Rd	63	87,594	39.732	ALGER
76	GLC15465	711/2138A	3-May-13	151 Lafayette	Alcan	SOW	3-May-13	26090 23 Mile Rd	63	87,168	39.539	ALGER
77	GLC15466	9934/2144A	3-May-13	151 Lafayette	Alcan	SOW	3-May-13	26090 23 Mile Rd	61	86,956	39.443	ALGER
78	GLC15467	111/2137A	3-May-13	151 Lafayette	Alcan	SOW	3-May-13	26090 23 Mile Rd	62	87,694	39.777	ALGER
79	GLC13919		6-May-13	Superior Parkway A/B	Alouette	ING/SOW	6-May-13	7900 Haggerty	48	87,284	39.591	Classic Cartage
80	GLC13920	924/5428	6-May-13	Superior Parkway A	Alouette/Ormet	ING/SOW	6-May-13	7900 Haggerty	56	87,517	39.697	Classic Cartage
81	GLC13921LTL	4/4B	6-May-13	Superior Parkway A	Ormet	SOW	6-May-13	7900 Haggerty	28	40,997	18.596	Classic Cartage
82	GLC14422	108/2140A	6-May-13	9450 Buffalo	Alcoa Massena East/ME Alcoa	SOW	6-May-13	2599 22nd St	64	86,725	39.338	ALGER
83	GLC14423	2140A	6-May-13	9450 Buffalo	ME Alcoa	SOW	6-May-13	2599 22nd St	65	87,584	39.727	ALGER
84	GLC14424	2140A	6-May-13	9450 Buffalo	ME Alcoa	SOW	6-May-13	2599 22nd St	64	86,832	39.386	ALGER
85	GLC14425	2140A	6-May-13	9450 Buffalo	Abcq/ ME Alcoa	TBAR/SOW	6-May-13	2599 22nd St	57	86,920	39.426	ALGER
86	GLC14426	2140A	6-May-13	9450 Buffalo	Abcq	TBAR	6-May-13	2599 22nd St	55	87,205	39.556	ALGER
87	GLC14506	5428	6-May-13	17423 West Jefferson	Ormet/Alcan	SOW/TBAR	6-May-13	7900 Haggerty	59	87,837	39.842	Classic Cartage
88	GLC14507	80	6-May-13	17423 West Jefferson	ME Alcoa/Alcan	TBAR/SOW	6-May-13	7900 Haggerty	59	87,866	39.855	Classic Cartage
89	GLC14508	806	6-May-13	17423 West Jefferson	ME Alcoa/Alcan	SOW/TBAR	6-May-13	7900 Haggerty	59	87,287	39.593	Classic Cartage
90	GLC14509	5428	6-May-13	17423 West Jefferson	Alcan	TBAR	6-May-13	7900 Haggerty	57	87,133	39.523	Classic Cartage

	M	N	O
46	14419-01	$225.00	$225.00
47	14420-01	$225.00	$225.00
48	14421-01	$225.00	$225.00
49	103	$240.00	$240.00
50	103	$240.00	$240.00
51	103	$240.00	$240.00
52	103	$240.00	$240.00
53	103	$240.00	$240.00
54	103	$200.00	$200.00
55	103	$200.00	$200.00
56	103	$200.00	$200.00
57	103	$200.00	$200.00
58	103	$200.00	$200.00
59	103	$200.00	$200.00
60	103	$200.00	$200.00
61	103	$200.00	$200.00
62	103	$200.00	$200.00
63	103	$200.00	$200.00
64	15453-01	$225.00	$225.00
65	15454-01	$225.00	$225.00
66	15455-01	$225.00	$225.00
67	15456-01	$225.00	$225.00
68	15457-01	$225.00	$225.00
69	15458-01	$225.00	$225.00
70	15459-01	$225.00	$225.00
71	15460-01	$225.00	$225.00
72	15461-01	$225.00	$225.00
73	15462-01	$225.00	$225.00
74	15463-01	$225.00	$225.00
75	15464-01	$225.00	$225.00
76	15465-01	$225.00	$225.00
77	15466-01	$225.00	$225.00
78	15467-01	$225.00	$225.00
79	109	$200.00	$200.00
80	109	$200.00	$200.00
81	109	$200.00	$200.00
82	14422-01	$225.00	$225.00
83	14423-01	$225.00	$225.00
84	14424-01	$225.00	$225.00
85	14425-01	$225.00	$225.00
86	14426-01	$225.00	$225.00
87	109	$240.00	$240.00
88	109	$240.00	$240.00
89	109	$240.00	$240.00
90	109	$240.00	$240.00

	A	B	C	D	E	F	G	H	I	J	K	L
91	GLC14510	80	6-May-13	17423 West Jefferson	Alcan	TBAR	6-May-13	7900 Haggerty	57	87,193	39.550	Classic Cartage
92	GLC15058	6/808	6-May-13	26090 23 Mile Rd	Alma	SOW	6-May-13	50703 E Russell	64	87,561	39.726	Classic Cartage
93	GLC15059	520/611AB	6-May-13	26090 23 Mile Rd	Alma	SOW	6-May-13	50703 E Russell	64	86,914	39.424	Classic Cartage
94	GLC15060	520/611AB	6-May-13	26090 23 Mile Rd	Alma	SOW	6-May-13	50703 E Russell	65	86,673	39.314	Classic Cartage
95	GLC15061	520/611AB	6-May-13	26090 23 Mile Rd	Alma	SOW	6-May-13	50703 E Russell	64	87,262	39.581	Classic Cartage
96	GLC15062	520/611AB	6-May-13	26090 23 Mile Rd	Alma/Gbaie	SOW	6-May-13	50703 E Russell	60	87,393	39.641	Classic Cartage
97	GLC15063	6/808	6-May-13	26090 23 Mile Rd	Gbaie	SOW	6-May-13	50703 E Russell	59	87,050	39.485	Classic Cartage
98	GLC15064	6/808	6-May-13	26090 23 Mile Rd	Gbaie	SOW	6-May-13	50703 E Russell	61	86,778	39.362	Classic Cartage
99	GLC15065	520/611AB	6-May-13	26090 23 Mile Rd	Gbaie	SOW	6-May-13	50703 E Russell	60	87,716	39.787	Classic Cartage
100	GLC15066	6/808	6-May-13	26090 23 Mile Rd	Gbaie	SOW	6-May-13	50703 E Russell	60	86,761	39.354	Classic Cartage
101	GLC15067	520/611AB	6-May-13	26090 23 Mile Rd	Gbaie	SOW	6-May-13	50703 E Russell	60	86,671	39.313	Classic Cartage
102	GLC15468	111/2137A	6-May-13	151 Lafayette	Alcan	SOW	6-May-13	26090 23 Mile Rd	64	87,275	39.587	ALGER
103	GLC15469	9934/2144A	6-May-13	151 Lafayette	Alcan	SOW	6-May-13	26090 23 Mile Rd	63	87,144	39.528	ALGER
104	GLC15470	711/2138A	6-May-13	151 Lafayette	Alcan	SOW	6-May-13	26090 23 Mile Rd	63	86,748	39.348	ALGER
105	GLC15471	420/2139A	6-May-13	151 Lafayette	Alcan	SOW	6-May-13	26090 23 Mile Rd	62	86,718	39.335	ALGER
106	GLC15472	111/2137A	6-May-13	151 Lafayette	Alcan	SOW	6-May-13	26090 23 Mile Rd	64	87,990	39.912	
107	GLC15473	9934/2144A	6-May-13	151 Lafayette	Alcan	TBAR/SOW	6-May-13	26090 23 Mile Rd	58	87,603	39.736	ALGER
108	GLC15474	711/2138A	6-May-13	151 Lafayette	Alcan	TBAR	6-May-13	26090 23 Mile Rd	57	87,220	39.562	ALGER
109	GLC15475	420/2139A	6-May-13	151 Lafayette	Alcan	TBAR	6-May-13	26090 23 Mile Rd	57	87,238	39.571	ALGER
110	GLC15476	111/2137A	6-May-13	151 Lafayette	Alcan	TBAR	6-May-13	26090 23 Mile Rd	57	87,202	39.554	ALGER
111	GLC15477	9934/2144A	6-May-13	151 Lafayette	Alcan	TBAR	6-May-13	26090 23 Mile Rd	57	87,137	39.525	ALGER
112	GLC15478	711/2137A	6-May-13	151 Lafayette	Alcan	TBAR	6-May-13	26090 23 Mile Rd	54	87,196	39.551	ALGER
113	GLC15479	420/2139A	6-May-13	151 Lafayette	Alcan	TBAR	6-May-13	26090 23 Mile Rd	57	87,136	39.524	ALGER
114	GLC15480	111/2137A	6-May-13	151 Lafayette	Alcan	TBAR	6-May-13	26090 23 Mile Rd	57	87,199	39.553	ALGER
115	GLC15481	9934/2144A	6-May-13	151 Lafayette	Alcan	TBAR	6-May-13	26090 23 Mile Rd	57	87,721	39.790	ALGER
116	GLC15482	711/2138A	6-May-13	151 Lafayette	Alcan	TBAR	6-May-13	26090 23 Mile Rd	54	86,735	39.342	ALGER
117	GLC14427	2140A	7-May-13	9450 Buffalo	Abcq	TBAR	7-May-13	2599 22nd St	56	87,651	39.758	ALGER
118	GLC14428	2140A	7-May-13	9450 Buffalo	Abcq	TBAR	7-May-13	2599 22nd St	56	87,170	39.540	ALGER
119	GLC14429	2140A	7-May-13	9450 Buffalo	Abcq	TBAR	7-May-13	2599 22nd St	56	86,992	39.459	ALGER
120	GLC14430	2140A	7-May-13	9450 Buffalo	Abcq	TBAR	7-May-13	2599 22nd St	57	87,885	39.864	ALGER
121	GLC14431	2140A	7-May-13	9450 Buffalo	Abcq	TBAR	7-May-13	2599 22nd St	57	87,428	39.657	ALGER
122	GLC14511	9941A	7-May-13	17423 West Jefferson	Ormet/Alcan	TBAR/SOW	7-May-13	7900 Haggerty	58	87,375	39.633	Classic Cartage
123	GLC14512	5428	7-May-13	17423 West Jefferson	Ormet/Alcan	SOW	7-May-13	7900 Haggerty	62	87,537	39.706	Classic Cartage
124	GLC14513	806	7-May-13	17423 West Jefferson	Alcan	SOW/TBAR	7-May-13	7900 Haggerty	59	87,619	39.743	Classic Cartage
125	GLC14514	80	7-May-13	17423 West Jefferson	Alcan	SOW	7-May-13	7900 Haggerty	62	87,164	39.537	Classic Cartage
126	GLC14515	806	7-May-13	17423 West Jefferson	Alcan	TBAR/SOW	7-May-13	7900 Haggerty	58	86,555	39.261	Classic Cartage
127	GLC15068	6/808	7-May-13	26090 23 Mile Rd	Gbaie	SOW	7-May-13	50703 E Russell	62	87,531	39.703	Classic Cartage
128	GLC15069	520/611AB	7-May-13	26090 23 Mile Rd	Gbaie	SOW	7-May-13	50703 E Russell	59	87,407	39.647	Classic Cartage
129	GLC15070	6/808	7-May-13	26090 23 Mile Rd	Gbaie	SOW	7-May-13	50703 E Russell	60	86,805	39.374	Classic Cartage
130	GLC15071	6/808	7-May-13	26090 23 Mile Rd	Gbaie	SOW	7-May-13	50703 E Russell	59	87,967	39.901	Classic Cartage
131	GLC15072	520/611AB	7-May-13	26090 23 Mile Rd	Gbaie	SOW	7-May-13	50703 E Russell	59	86,930	39.431	Classic Cartage
132	GLC15073	520/611AB	7-May-13	26090 23 Mile Rd	Gbaie	SOW	7-May-13	50703 E Russell	62	87,701	39.781	Classic Cartage
133	GLC15074	6/808	7-May-13	26090 23 Mile Rd	Gbaie	SOW	7-May-13	50703 E Russell	63	86,944	39.437	Classic Cartage
134	GLC15075	520/611AB	7-May-13	26090 23 Mile Rd	Gbaie	SOW	7-May-13	50703 E Russell	60	87,361	39.626	Classic Cartage
135	GLC15076	6/808	7-May-13	26090 23 Mile Rd	Gbaie	SOW	7-May-13	50703 E Russell	65	87,364	39.628	Classic Cartage

	M	N	O
91	109	$240.00	$240.00
92	109	$200.00	$200.00
93	109	$200.00	$200.00
94	109	$200.00	$200.00
95	109	$200.00	$200.00
96	109	$200.00	$200.00
97	109	$200.00	$200.00
98	109	$200.00	$200.00
99	109	$200.00	$200.00
100	109	$200.00	$200.00
101	109	$200.00	$200.00
102	15468-1	$225.00	$225.00
103	15469-1	$225.00	$225.00
104	15470-1	$225.00	$225.00
105	15471-1	$225.00	$225.00
106			
107	15473-1	$225.00	$225.00
108	15474-1	$225.00	$225.00
109	15475-1	$225.00	$225.00
110	15476-1	$225.00	$225.00
111	15477-1	$225.00	$225.00
112	15478-1	$225.00	$225.00
113	15479-1	$225.00	$225.00
114	15480-1	$225.00	$225.00
115	15481-1	$225.00	$225.00
116	15482-1	$225.00	$225.00
117	14427-01	$225.00	$225.00
118	14428-01	$225.00	$225.00
119	14429-01	$225.00	$225.00
120	14430-01	$22.00	$22.00
121	14431-01	$225.00	$225.00
122	109	$240.00	$240.00
123	109	$240.00	$240.00
124	109	$240.00	$240.00
125	109	$240.00	$240.00
126	109	$240.00	$240.00
127	109	$200.00	$200.00
128	109	$200.00	$200.00
129	109	$200.00	$200.00
130	109	$200.00	$200.00
131	109	$200.00	$200.00
132	109	$200.00	$200.00
133	109	$200.00	$200.00
134	109	$200.00	$200.00
135	109	$200.00	$200.00

	A	B	C	D	E	F	G	H	I	J	K	L
136	GLC15077	520/611AB	7-May-13	26090 23 Mile Rd	Gbaie	SOW	7-May-13	50703 E Russell	60	86,569	39.267	Classic Cartage
137	GLC15483	711/2138A	7-May-13	151 Lafayette	Alcan	TBAR	7-May-13	26090 23 Mile Rd	56	86,864	39.401	ALGER
138	GLC15484	9934/2144A	7-May-13	151 Lafayette	Alcan	TBAR	7-May-13	26090 23 Mile Rd	55	87,409	39.648	ALGER
139	GLC15485	35/35A	7-May-13	151 Lafayette	Alcan	TBAR	7-May-13	26090 23 Mile Rd	57	87,246	39.574	ALGER
140	GLC15486	711/2138A	7-May-13	151 Lafayette	Alcan	TBAR	7-May-13	26090 23 Mile Rd	57	87,339	39.616	ALGER
141	GLC15487	111/2137A	7-May-13	151 Lafayette	Alcan	TBAR	7-May-13	26090 23 Mile Rd	57	87,305	39.601	ALGER
142	GLC15488	9934/2144A	7-May-13	151 Lafayette	Alcan	TBAR	7-May-13	26090 23 Mile Rd	57	87,160	39.535	ALGER
143	GLC15489	35/35A	7-May-13	151 Lafayette	Alcan	TBAR	7-May-13	26090 23 Mile Rd	57	87,135	39.524	ALGER
144	GLC15490	711/2138A	7-May-13	151 Lafayette	Alcan	TBAR	7-May-13	26090 23 Mile Rd	54	86,967	39.448	ALGER
145	GLC15491	111/2137A	7-May-13	151 Lafayette	Alcan	TBAR	7-May-13	26090 23 Mile Rd	57	87,215	39.560	ALGER
146	GLC15492	9934/2144A	7-May-13	151 Lafayette	Alcan	TBAR	7-May-13	26090 23 Mile Rd	57	87,233	39.568	ALGER
147	GLC15493	35/35A	7-May-13	151 Lafayette	Alcan	TBAR	7-May-13	26090 23 Mile Rd	57	87,280	39.590	ALGER
148	GLC15494	711/2138A	7-May-13	151 Lafayette	Alcan	TBAR	7-May-13	26090 23 Mile Rd	57	87,277	39.588	ALGER
149	GLC15495	111/2137A	7-May-13	151 Lafayette	Alcan	TBAR	7-May-13	26090 23 Mile Rd	57	87,207	39.556	ALGER
150	GLC15496	9934/2144A	7-May-13	151 Lafayette	Alcan	TBAR	7-May-13	26090 23 Mile Rd	57	87,218	39.561	ALGER
151	GLC15497	35/35A	7-May-13	151 Lafayette	Alcan	TBAR	7-May-13	26090 23 Mile Rd	57	87,392	39.640	ALGER
152	GLC15930	093/9941AB	7-May-13	36253 Michigan Ave	Alouette	ING	7-May-13	7900 Haggerty	38	87,431	39.658	Classic Cartage
153	GLC15931	33/090	7-May-13	36253 Michigan Ave	Alouette	ING	7-May-13	7900 Haggerty	34	78,404	35,563	Classic Cartage
154	GLC14028	520/611AB	8-May-13	2599 22nd St	ME Alcoa/Alouette	SOW	8-May-13	4815 Cabot	60	87,859	39,852	Classic Cartage
155	GLC14029	520/611AB	8-May-13	2599 22nd St	ME Alcoa	SOW	8-May-13	4815 Cabot	63	87,072	39.495	Classic Cartage
156	GLC14030	33/080	8-May-13	2599 22nd St	ME Alcoa/Abcq	TBAR/SOW	8-May-13	4815 Cabot	59	86,566	39.266	Classic Cartage
157	GLC14432	2140A	8-May-13	9450 Buffalo	Abcq	TBAR	8-May-13	2599 22nd St	56	87,612	39.740	ALGER
158	GLC14433	2140A	8-May-13	9450 Buffalo	Abcq	TBAR	8-May-13	2599 22nd St	56	87,922	39.881	ALGER
159	GLC14434	2140A	8-May-13	9450 Buffalo	Abcq	TBAR	8-May-13	2599 22nd St	55	86,678	39.317	ALGER
160	GLC14435	2140A	8-May-13	9450 Buffalo	Abcq	TBAR	8-May-13	2599 22nd St	56	87,985	39.909	ALGER
161	GLC14436	2140A	8-May-13	9450 Buffalo	Abcq	TBAR	8-May-13	2599 22nd St	55	86,790	39.367	ALGER
162	GLC14516	9941A	8-May-13	17423 West Jefferson	Alcan	TBAR	8-May-13	7900 Haggerty	57	87,033	39.478	Classic Cartage
163	GLC14517	5428	8-May-13	17423 West Jefferson	Alcan/ME Alcoa	TBAR/SOW	8-May-13	7900 Haggerty	59	87,275	39.587	Classic Cartage
164	GLC14518	80	8-May-13	17423 West Jefferson	ME Alcoa/Alcan	SOW/TBAR	8-May-13	7900 Haggerty	60	87,361	39.626	Classic Cartage
165	GLC14519	9941A	8-May-13	17423 West Jefferson	Alcan	TBAR	8-May-13	7900 Haggerty	57	87,191	39.549	Classic Cartage
166	GLC14520	5428	8-May-13	17423 West Jefferson	Abcq/Ormet/Alcan	TBAR/SOW	8-May-13	7900 Haggerty	56	86,667	39.312	Classic Cartage
167	GLC15078	520/611AB	8-May-13	26090 23 Mile Rd	Gbaie	SOW	8-May-13	50703 E Russell	60	87,006	39.465	Classic Cartage
168	GLC15079	6/808	8-May-13	26090 23 Mile Rd	Gbaie	SOW	8-May-13	50703 E Russell	59	87,087	39.502	Classic Cartage
169	GLC15080	520/611AB	8-May-13	26090 23 Mile Rd	Gbaie	SOW	8-May-13	50703 E Russell	61	87,603	39.736	Classic Cartage
170	GLC15081	6/808	8-May-13	26090 23 Mile Rd	Gbaie	SOW	8-May-13	50703 E Russell	60	87,446	39.665	Classic Cartage
171	GLC15082	520/611AB	8-May-13	26090 23 Mile Rd	Gbaie	SOW	8-May-13	50703 E Russell	61	87,924	39.882	Classic Cartage
172	GLC15083	6/808	8-May-13	26090 23 Mile Rd	Gbaie	SOW	8-May-13	50703 E Russell	61	87,566	39.719	Classic Cartage
173	GLC15084	520/611AB	8-May-13	26090 23 Mile Rd	Gbaie	SOW	8-May-13	50703 E Russell	60	86,569	39.267	Classic Cartage
174	GLC15085	6/808	8-May-13	26090 23 Mile Rd	Gbaie	SOW	8-May-13	50703 E Russell	58	87,735	39.796	Classic Cartage
175	GLC15086	520/611AB	8-May-13	26090 23 Mile Rd	Gbaie	SOW	8-May-13	50703 E Russell	60	87,594	39.732	Classic Cartage
176	GLC15087	6/808	8-May-13	26090 23 Mile Rd	Gbaie	SOW	8-May-13	50703 E Russell	62	86,981	39.454	Classic Cartage
177	GLC15605	711/2138A	8-May-13	151 Lafayette	Alouette	SOW	8-May-13	1200 E. McNichols	56	86,946	39.438	ALGER
178	GLC15606	35/35A	8-May-13	151 Lafayette	Alouette	SOW	8-May-13	1200 E. McNichols	55	87,188	39.548	ALGER
179	GLC15607	634/634A	8-May-13	151 Lafayette	Alouette/Gbaie	SOW	8-May-13	1200 E. McNichols	55	87,321	39.608	ALGER
180	GLC15608	9934/2144A	8-May-13	151 Lafayette	Gbaie	SOW	8-May-13	1200 E. McNichols	61	87,883	39.863	ALGER

	M	N	O
136	109	$200.00	$200.00
137	15483-1	$225.00	$225.00
138	15484-1	$225.00	$225.00
139	15485-1	$225.00	$225.00
140	15486-1	$225.00	$225.00
141	15487-1	$225.00	$225.00
142	15488-1	$225.00	$225.00
143	15489-1	$225.00	$225.00
144	15490-1	$225.00	$225.00
145	15491-1	$225.00	$225.00
146	15492-1	$225.00	$225.00
147	15493-1	$225.00	$225.00
148	15494-1	$225.00	$225.00
149	15495-1	$225.00	$225.00
150	15496-1	$225.00	$225.00
151	15497-1	$225.00	$225.00
152	109	$200.00	$200.00
153	109	$200.00	$200.00
154	109	$200.00	$200.00
155	109	$200.00	$200.00
156	109	$200.00	$200.00
157	14432-1	$225.00	$225.00
158	14433-1	$225.00	$225.00
159	14434-1	$225.00	$225.00
160	14435-1	$225.00	$225.00
161	14436-1	$225.00	$225.00
162	109	$240.00	$240.00
163	109	$240.00	$240.00
164	109	$240.00	$240.00
165	109	$240.00	$240.00
166	109	$240.00	$240.00
167	109	$200.00	$200.00
168	109	$200.00	$200.00
169	109	$200.00	$200.00
170	109	$200.00	$200.00
171	109	$200.00	$200.00
172	109	$200.00	$200.00
173	109	$200.00	$200.00
174	109	$200.00	$200.00
175	109	$200.00	$200.00
176	109	$200.00	$200.00
177	15605-1	$225.00	$225.00
178	15606-1	$225.00	$225.00
179	15607-1	$225.00	$225.00
180	15608-1	$225.00	$225.00

	A	B	C	D	E	F	G	H	I	J	K	L
181	GLC15609	711/2138A	8-May-13	151 Lafayette	Gbaie	SOW	8-May-13	1200 E. McNichols	60	87,715	39.787	ALGER
182	GLC15610	35/35A	8-May-13	151 Lafayette	Gbaie	SOW	8-May-13	1200 E. McNichols	59	86,747	39.348	ALGER
183	GLC15611	9934/2144A	8-May-13	151 Lafayette	Gbaie	SOW	8-May-13	1200 E. McNichols	61	87,846	39.846	ALGER
184	GLC15612	634/634A	8-May-13	151 Lafayette	Gbaie	SOW	8-May-13	1200 E. McNichols	60	87,537	39.706	ALGER
185	GLC15613	711/2138A	8-May-13	151 Lafayette	Gbaie	SOW	8-May-13	1200 E. McNichols	62	87,797	39.824	ALGER
186	GLC15614	35/35A	8-May-13	151 Lafayette	Gbaie	SOW	8-May-13	1200 E. McNichols	62	86,801	39.372	ALGER
187	GLC15615	9934/2144A	8-May-13	151 Lafayette	Gbaie	SOW	8-May-13	1200 E. McNichols	61	87,339	39.616	ALGER
188	GLC15616	634/634A	8-May-13	151 Lafayette	Gbaie	SOW	8-May-13	1200 E. McNichols	62	87,460	39.671	ALGER
189	GLC15617	711/2138A	8-May-13	151 Lafayette	Sha/Gbaie	SOW	8-May-13	1200 E. McNichols	57	87,847	39.847	ALGER
190	GLC15618	35/35A	8-May-13	151 Lafayette	Sha	SOW	8-May-13	1200 E. McNichols	54	87,305	39.601	ALGER
191	GLC15935	9934/2144A	8-May-13	151 Lafayette	Alouette	SOW	8-May-13	1200 E. McNichols	48	75,676	34.326	ALGER
192	GLC14031	4/4B	9-May-13	22nd ST	ABCQ/ME ALCOA	TBAR/SOW	9-May-13	4815 Cabot	57	87,869	39.857	Classic Cartage
193	GLC14032	33/080	9-May-13	22nd ST	ME/ALCOA	SOW	9-May-13	4815 Cabot	62	87,206	39.556	Classic Cartage
194	GLC14033	4/4B	9-May-13	22nd ST	ME/ALCOA	SOW	9-May-13	4815 Cabot	66	87,580	39.726	Classic Cartage
195	GLC14339	2140A	9-May-13	9450 Buffalo	ABCQ	TBAR	9-May-13	2522 22nd St	55	87,051	39.486	ALGER
196	GLC14437	2240A	9-May-13	9450 Buffalo	ABCQ	TBAR	9-May-13	2522 22nd St	56	87,814	39.832	ALGER
197	GLC14438	2140A	9-May-13	9450 Buffalo	ABCQ	TBAR	9-May-13	2522 22nd St	58	87,842	39.845	ALGER
198	GLC14440	2140A	9-May-13	9450 Buffalo	ABCQ	TBAR	9-May-13	2522 22nd St	54	87,177	39.543	ALGER
199	GLC14441	2140A	9-May-13	9450 Buffalo	ABCQ	TBAR	9-May-13	2522 22nd St	55	86,972	39.450	ALGER
200	GLC14521	542B	9-May-13	17423 W. Jefferson	ORMET	SOW	9-May-13	7900 Haggerty	60	87,653	39.849	Classic Cartage
201	GLC14522	80	9-May-13	17423 W. Jefferson	ORMET/ALCAN	SOW	9-May-13	7900 Haggerty	64	87,998	39.915	Classic Cartage
202	GLC14523	9941A	9-May-13	17423 W. Jefferson	Alcan	SOW	9-May-13	7900 Haggerty	65	87,941	39.889	Classic Cartage
203	GLC14524	80	9-May-13	17423 W. Jefferson	ORMET/AICAN	SOW/TBAR	9-May-13	7900 Haggerty	60	87,065	39.492	Classic Cartage
204	GLC14525	9941A	9-May-13	17423 W. Jefferson	ALCAN	TBAR	9-May-13	7900 Haggerty	57	87,206	39.556	Classic Cartage
205	GLC15088	520/611AB	9-May-13	26090 23 mile rd	GBAIE	SOW	9-May-13	50703 E Russell	60	86,629	39.294	Classic Cartage
206	GLC15089	6/808	9-May-13	26090 23 Mile Rd	GBAIE	SOW	9-May-13	50703 E Russell	59	86,972	39.450	Classic Cartage
207	GLC15090	520/611AB	9-May-13	26090 23 Mile Rd	GBAIE	SOW	9-May-13	50703 E Russell	60	86,646	39.302	Classic Cartage
208	GLC15091	520/611AB	9-May-13	26090 23 Mile Rd	GBAIE	SOW	9-May-13	50703 E Russell	60	86,650	39.304	Classic Cartage
209	GLC15092	520/611AB	9-May-13	26090 23 Mile Rd	GBAIE	SOW	9-May-13	50703 E Russell	61	87,697	39.779	Classic Cartage
210	GLC15093	6/808	9-May-13	26090 23 Mile Rd	GBAIE	SOW	9-May-13	50703 E Russell	62	87,336	39.615	Classic Cartage
211	GLC15094	520/611AB	9-May-13	26090 23 Mile Rd	GBAIE	SOW	9-May-13	50703 E Russell	60	86,580	39.272	Classic Cartage
212	GLC15095	6/808	9-May-13	26090 23 Mile Rd	GBAIE	SOW	9-May-13	50703 E Russell	59	87,021	39.472	Classic Cartage
213	GLC15096	6/808	9-May-13	26090 23 Mile Rd	GBAIE	SOW	9-May-13	50703 E Russell	53	86,883	39.410	Classic Cartage
214	GLC15097	6/808	9-May-13	26090 23 Mile Rd	GBAIE	SOW	9-May-13	50703 E Russell	60	86,803	39.373	Classic Cartage
215	GLC15498	711/2138A	9-May-13	26090 23 Mile Rd	GBAIE	SOW	9-May-13	50703 E Russell	49	87,943	39.890	ALGER
216	GLC15499	9934/2144A	9-May-13	26090 23 Mile Rd	GBAIE	SOW	9-May-13	50703 E Russell	61	87,890	39.866	ALGER
217	GLC15500	634/2139A	9-May-13	26090 23 Mile Rd	GBAIE	SOW	9-May-13	50703 E Russell	61	87,413	39.650	ALGER
218	GLC15501	711/2138A	9-May-13	26090 23 Mile Rd	GBAIE	SOW	9-May-13	50703 E Russell	61	87,729	39.793	ALGER
219	GLC15502	9934/2144A	9-May-13	151 Lafayette	SEB	SOW	9-May-13	26090 23 Mile Rd	61	87,526	39.701	ALGER
220	GLC15503	634/21394	9-May-13	151 Lafayette	SEB	SOW	9-May-13	26090 23 Mile Rd	59	86,564	39.265	ALGER
221	GLC15504	711/2138A	9-May-13	151 Lafayette	SEB	SOW	9-May-13	26090 23 Mile Rd	59	86,772	39.359	ALGER
222	GLC15505	9934/2144A	9-May-13	151 Lafayette	SEB	SOW	9-May-13	26090 23 Mile Rd	60	86,574	39.269	ALGER
223	GLC15506	35/35A	9-May-13	151 Lafayette	SEB/ALCAN	SOW	9-May-13	26090 23 Mile Rd	57	86,582	39.273	ALGER
224	GLC15507	634/2139A	9-May-13	151 Lafayette	ALCAN	SOW	9-May-13	26090 23 Mile Rd	57	86,809	39.376	ALGER
225	GLC15508	711/2138A	9-May-13	151 Lafayette	ALCAN	SOW	9-May-13	26090 23 Mile Rd	59	87,558	39.716	ALGER

	M	N	O
181	15609-1	$225.00	$225.00
182	15610-1	$225.00	$225.00
183	15611-1	$225.00	$225.00
184	15612-1	$225.00	$225.00
185	15613-1	$225.00	$225.00
186	15614-1	$225.00	$225.00
187	15615-1	$225.00	$225.00
188	15616-1	$225.00	$225.00
189	15617-1	$225.00	$225.00
190	15618-1	$225.00	$225.00
191	15935-1	$225.00	$225.00
192	109	$200.00	$200.00
193	109	$200.00	$200.00
194	109	$200.00	$200.00
195	14439-1	$225.00	$225.00
196	14437-1	$225.00	$225.00
197	14438-1	$225.00	$225.00
198	14440-1	$225.00	$225.00
199	14441-1	$225.00	$225.00
200	109	$240.00	$240.00
201	109	$240.00	$240.00
202	109	$240.00	$240.00
203	109	$240.00	$240.00
204	109	$240.00	$240.00
205	109	$200.00	$200.00
206	109	$200.00	$200.00
207	109	$200.00	$200.00
208	109	$200.00	$200.00
209	109	$200.00	$200.00
210	109	$200.00	$200.00
211	109	$200.00	$200.00
212	109	$200.00	$200.00
213	109	$200.00	$200.00
214	109	$200.00	$200.00
215	15498-1	$225.00	$225.00
216	15499-1	$225.00	$225.00
217	15500-1	$225.00	$225.00
218	15501-1	$225.00	$225.00
219	15502-1	$225.00	$225.00
220	15503-1	$225.00	$225.00
221	15504-1	$225.00	$225.00
222	15505-1	$225.00	$225.00
223	15506-1	$225.00	$225.00
224	15507-1	$225.00	$225.00
225	15508-1	$225.00	$225.00

	A	B	C	D	E	F	G	H	I	J	K	L
226	GLC15509	35/35A	9-May-13	151 Lafayette	ALCAN	SOW	9-May-13	26090 23 Mile Rd	57	87,126	39.520	ALGER
227	GLC15510	634/2139A	9-May-13	151 Lafayette	ALCAN	SOW	9-May-13	26090 23 Mile Rd	61	87,878	39.861	ALGER
228	GLC15619	35/35A	9-May-13	151 Lafayette	SHA	SOW	9-May-13	1200 E. McNichols	54	87,970	39.903	ALGER
229	GLC15620	35/35A	9-May-13	151 Lafayette	SHA	SOW	9-May-13	1200 E. McNichols	53	87,434	39.659	ALGER
230	GLC14034	33/080	10-May-13	2599 22nd St	ME/ALCOA	SOW	10-May-13	4815 Cabot	66	87,575	39.723	Classic Cartage
231	GLC14035	33/080	10-May-13	2599 22nd St	ME/ALCOA/ALOUETTE	SOW	10-May-13	4815 Cabot	62	87,148	39.530	Classic Cartage
232	GLC14036	4/4B	10-May-13	2599 22nd St	ME/ALCOA/ALOUETTE	SOW	10-May-13	4815 Cabot	62	86,732	39.341	Classic Cartage
233	GLC14442	2140A	10-May-13	9450 Buffalo	ABCQ	TBAR	10-May-13	2599 22nd St	55	86,495	39.234	ALGER
234	GLC14443	2140A	10-May-13	9450 Buffalo	ABCQ	TBAR	10-May-13	2599 22nd St	55	86,491	39.232	ALGER
235	GLC14444	2149A	10-May-13	9450 Buffalo	ABCQ	TBAR	10-May-13	2599 22nd St	56	87,889	39.866	ALGER
236	GLC14445	2140A	10-May-13	9450 Buffalo	ABCQ	TBAR	10-May-13	2599 22nd St	55	86,605	39.283	ALGER
237	GLC14446	2149A	10-May-13	9450 Buffalo	ABCQ	TBAR	10-May-13	2599 22nd St	56	87,870	39.857	ALGER
238	GLC14526	9941A	10-May-13	17423 W. Jefferson	ORMET/ALCAN	TBAR	10-May-13	7900 Haggerty	58	87,460	39.671	Classic Cartage
239	GLC14527	5428	10-May-13	17423 W. Jefferson	ORMET	SOW	10-May-13	7900 Haggerty	60	87,331	39.613	Classic Cartage
240	GLC14528	9941A	10-May-13	17423 W. Jefferson	ORMET	SOW	10-May-13	7900 Haggerty	59	87,106	39.511	Classic Cartage
241	GLC14529		10-May-13	17423 W. Jefferson	ORMET	SOW	10-May-13	7900 Haggerty	23	32,155	14.585	Classic Cartage
242	GLC14530	5428	10-May-13	17423 W. Jefferson	ORMET/ALCAN	SOW/ING	10-May-13	7900 Haggerty	48	87,565	39.719	Classic Cartage
243	GLC15098	4/4B	10-May-13	26090 23 mile rd	GBAIE	SOW	10-May-13	50703 E Russell	58	87,510	39.694	Classic Cartage
244	GLC15099	520/611AB	10-May-13	26090 23 mile Rd	GBAIE	SOW	10-May-13	50703 E Russell	60	87,435	39.660	Classic Cartage
245	GLC15100	4/4B	10-May-13	26090 23 Mile Rd	GBAIE/ALOUETTE	SOW	10-May-13	50703 E Russell	59	86,427	39.203	Classic Cartage
246	GLC15101	520/611AB	10-May-13	26090 23 Mile Rd	ALOUETTE	SOW	10-May-13	50703 E Russell	55	86,677	39.316	Classic Cartage
247	GLC15102	520/611AB	10-May-13	26090 23 Mile Rd	ALOUETTE	SOW	10-May-13	50703 E Russell	58	86,579	39.272	Classic Cartage
248	GLC15103	520/611AB	10-May-13	26090 23 Mile Rd	ALOUETTE	SOW	10-May-13	50703 E Russell	55	87,065	39.492	Classic Cartage
249	GLC15104	4/4B	10-May-13	26090 23 Mile Rd	ALOUETTE	SOW	10-May-13	50703 E Russell	58	86,895	39.415	Classic Cartage
250	GLC15105	520/611AB	10-May-13	26090 23 Mile Rd	ALOUETTE	SOW	10-May-13	50703 E Russell	56	87,308	39.602	Classic Cartage
251	GLC15106	4/4B	10-May-13	26090 23 Mile Rd	ALOUETTE	SOW	10-May-13	50703 E Russell	56	87,335	39.615	Classic Cartage
252	GLC15107	520/611AB	10-May-13	26090 23 Mile Rd	ALOUETTE	SOW	10-May-13	50703 E Russell	55	86,816	39.379	Classic Cartage
253	GLC15511	711/2138A	10-May-13	151 Lafayette	ALCAN	SOW	10-May-13	26090 23 Mile Rd	57	86,538	39.253	ALGER
254	GLC15512	35/35A	10-May-13	151 Lafayette	ALCAN	SOW	10-May-13	26090 23 Mile Rd	60	87,288	39.593	ALGER
255	GLC15513	9934/2144	10-May-13	151 Lafayette	ALCAN	SOW	10-May-13	26090 23 Mile Rd	59	87,720	39.789	ALGER
256	GLC15514	634/2139A	10-May-13	151 Lafayette	ALCAN	SOW	10-May-13	26090 23 Mile Rd	58	86,835	39.388	ALGER
257	GLC15515	711/2138A	10-May-13	151 Lafayette	ALCAN	SOW	10-May-13	26090 23 Mile Rd	58	87,378	39.634	ALGER
258	GLC15516	9934/2144A	10-May-13	151 Lafayette	ALCAN	SOW	10-May-13	26090 23 Mile Rd	58	86,621	39.291	ALGER
259	GLC15517	35/35A	10-May-13	151 Lafayette	ALCAN	SOW	10-May-13	26090 23 Mile Rd	58	86,975	39.451	ALGER
260	GLC15518	634/2139A	10-May-13	151 Lafayette	ALCAN	SOW	10-May-13	26090 23 Mile Rd	57	86,703	39.328	ALGER
261	GLC15519	711/213A	10-May-13	151 Lafayette	ALCAN	SOW	10-May-13	26090 23 Mile Rd	54	87,158	39.534	ALGER
262	GLC15520	9934/2144	10-May-13	151 Lafayette	ALCAN	SOW	10-May-13	26090 23 Mile Rd	53	87,069	39.494	ALGER
263	GLC15521	35/35A	10-May-13	151 Lafayette	ALCAN	SOW	10-May-13	26090 23 Mile Rd	54	87,460	39.671	ALGER
264	GLC15522	634/2139A	10-May-13	151 Lafayette	ALCAN	SOW	10-May-13	26090 23 Mile Rd	53	86,840	39.390	ALGER
265	GLC15523	711/213A	10-May-13	151 Lafayette	ALCAN	SOW	10-May-13	26090 23 Mile Rd	59	87,257	39.579	ALGER
266	GLC15524	9934/2144	10-May-13	151 Lafayette	ALCAN	SOW	10-May-13	26090 23 Mile Rd	60	87,801	39.826	ALGER
267	GLC15525	634/2139A	10-May-13	151 Lafayette	ALMA/ALCAN	SOW	10-May-13	26090 23 Mile Rd	61	87,122	39.518	ALGER
268	GLC13611	35/35A	11-May-13	20495 Pennslyvania Rd	ALOUETTE	ING	11-May-13	17423 W. Jefferson	37	86,042	39.028	ALGER
269	GLC13612	7982/7982A	11-May-13	20495 Pennslyvania Rd	ALOUETTE	ING	11-May-13	17423 W. Jefferson	38	86,805	39.374	ALGER
270	GLC14304	2149-2149A	13-May-13	12850 E. Nine Mile Rd	ALCAN	SOW	13-May-13	151 Lafayette	53	87,189	39.548	ALGER

	M	N	O
226	15509-1	$225.00	$225.00
227	15510-1	$225.00	$225.00
228	15619-1	$225.00	$225.00
229	15620-1	$225.00	$225.00
230	109	$200.00	$200.00
231	109	$200.00	$200.00
232	109	$200.00	$200.00
233	14442-1	$225.00	$225.00
234	14443-1	$225.00	$225.00
235	14444-1	$225.00	$225.00
236	14445-1	$225.00	$225.00
237	14446-1	$225.00	$225.00
238	109	$240.00	$240.00
239	109	$240.00	$240.00
240	109	$240.00	$240.00
241	109	$240.00	$240.00
242	109	$240.00	$240.00
243	109	$200.00	$200.00
244	109	$200.00	$200.00
245	109	$200.00	$200.00
246	109	$200.00	$200.00
247	109	$200.00	$200.00
248	109	$200.00	$200.00
249	109	$200.00	$200.00
250	109	$200.00	$200.00
251	109	$200.00	$200.00
252	109	$200.00	$200.00
253	15511-1	$225.00	$225.00
254	15512-1	$225.00	$225.00
255	15513-1	$225.00	$225.00
256	15514-1	$225.00	$225.00
257	15515-1	$225.00	$225.00
258	15516-1	$225.00	$225.00
259	15517-1	$225.00	$225.00
260	15518-1	$225.00	$225.00
261	15519-1	$225.00	$225.00
262	15520-1	$225.00	$225.00
263	15521-1	$225.00	$225.00
264	15522-1	$225.00	$225.00
265	15523-1	$225.00	$225.00
266	15524-1	$225.00	$225.00
267	15525-1	$225.00	$225.00
268	13611-01	$215.00	$215.00
269	13612-01	$215.00	$215.00
270	14304-1	$235.00	$235.00

	A	B	C	D	E	F	G	H	I	J	K	L
271	GLC13613	35/35A	13-May-13	20495 Pennslyvania Rd	ALOUETTE	ING	13-May-13	17423 W. Jefferson	38	86,961	39.445	ALGER
272	GLC13614	7982/7982A	13-May-13	20495 Pennslyvania Rd	ALOUETTE	ING	13-May-13	17423 W. Jefferson	38	87,759	39.807	ALGER
273	GLC13615	95/17A	13-May-13	20495 Pennslyvania Rd	ALOUETTE	ING	11-May-13	17423 W. Jefferson	38	87,189	39.548	ALGER
274	GLC13616	35/35A	13-May-13	20495 Pennslyvania Rd	ALOUETTE	ING	11-May-13	17423 W. Jefferson	38	87,117	39.516	ALGER
275	GLC13617	35/35A	13-May-13	20495 Pennslyvania Rd	ALOUETTE	ING	13-May-13	17423 W. Jefferson	38	87,118	39.516	ALGER
276	GLC14037	520/611AB	13-May-13	2599 22nd St	ME/ALCOA	SOW	13-May-13	13542 Helen St.	67	87,850	39.848	Classic Cartage
277	GLC14038	4/4B	13-May-13	2599 22nd St	ME/ALCOA	SOW	13-May-13	13542 Helen St.	64	86,848	39.394	Classic Cartage
278	GLC14039	924/5428	13-May-13	2599 22nd St	ME/ALCOA	SOW	13-May-13	13542 Helen St.	61	87,927	39.883	Classic Cartage
279	GLC14040	33/080	13-May-13	2599 22nd St	ME/ALCOA/ALOUETTE	SOW	13-May-13	13542 Helen St.	59	87,109	39.512	Classic Cartage
280	GLC14041	4/4B	13-May-13	2599 22nd St	ME/ALCOA	SOW	13-May-13	13542 Helen St.	65	87,179	39.544	Classic Cartage
281	GLC14042	924/5428	13-May-13	2599 22nd St	ME/ALCOA	SOW	13-May-13	13542 Helen St.	64	87,022	39.473	Classic Cartage
282	GLC14043	33/080	13-May-13	2599 22nd St	ME/ALCOA/ALOUETTE	SOW	13-May-13	13542 Helen St.	59	87,884	39.864	Classic Cartage
283	GLC14044	4/4B	13-May-13	2599 22nd St	ME/ALCOA	SOW	13-May-13	13542 Helen St.	62	87,920	39.880	Classic Cartage
284	GLC14045	924/5428	13-May-13	2599 22nd St	ME/ALCOA/ALOUETTE	SOW	13-May-13	13542 Helen St.	59	87,989	39.911	Classic Cartage
285	GLC14046	560/611AB	13-May-13	2599 22nd St	ME/ALCOA/ALOUETTE	SOW/TBAR	13-May-13	13542 Helen St.	59	87,831	39.840	Classic Cartage
286	GLC14047	33/080	13-May-13	2599 22nd St	ABCQ	TBAR	13-May-13	4815 Cabot	55	86,426	39.202	Classic Cartage
287	GLC14048	6/808	13-May-13	2599 22nd St	ABCQ/ME/ALCOA	TBAR/SOW	13-May-13	4815 Cabot	62	86,860	39.399	Classic Cartage
288	GLC14049	4/4B	13-May-13	2599 22nd St	ME/ALCOA	SOW	13-May-13	4815 Cabot	63	86,876	39.406	Classic Cartage
289	GLC14302	96-2137A	13-May-13	12850 E. Nine Mile Rd	ALCAN	SOW	13-May-13	151 Lafayette	52	86,867	39.402	ALGER
290	GLC14303	2149-2149A	13-May-13	12850 E. Nine Mile Rd	ALCAN/SHA	SOW	13-May-13	151 Lafayette	53	86,639	39.299	ALGER
291	GLC14305	78/2174A	13-May-13	12850 E. Nine Mile Rd	ALCAN	SOW	13-May-13	151 Lafayette	54	87,695	39.778	ALGER
292	GLC14306	78-2174A	13-May-13	12850 E. Nine Mile Rd	ALCAN	SOW	13-May-13	151 Lafayette	54	87,596	39.733	ALGER
293	GLC14447	2140A	13-May-13	9450 Buffalo	ABCQ	TBAR	13-May-13	2599 22nd St	55	86,743	39.346	ALGER
294	GLC14448	2140A	13-May-13	9450 Buffalo	ABCQ	TBAR	13-May-13	2599 22nd St	56	87,203	39.555	ALGER
295	GLC14449	2140A	13-May-13	9450 Buffalo	ABCQ	TBAR	13-May-13	2599 22nd St	55	86,823	39.382	ALGER
296	GLC14450	2140A	13-May-13	9450 Buffalo	ABCQ	TBAR	13-May-13	2599 22nd St	55	86,671	39.313	ALGER
297	GLC14451	2140A	13-May-13	9450 Buffalo	ABCQ	TBAR	13-May-13	2599 22nd St	55	86,489	39.231	ALGER
298	GLC14529		13-May-13	17423 W. Jefferson	INTALCO	ING	13-May-13	7900 Haggerly	29	55,261	25.066	Classic Cartage
299	GLC14531	204	13-May-13	17423 W. Jefferson	ORMET/ALCAN	SOW/ING	13-May-13	7900 Haggerly	48	86,464	39.219	Classic Cartage
300	GLC14532	15097	13-May-13	17423 W. Jefferson	ORMET	SOW	13-May-13	7900 Haggerly	58	87,163	39.537	Classic Cartage
301	GLC14533	403	13-May-13	17423 W. Jefferson	ORMET	SOW	13-May-13	7900 Haggerly	60	87,983	39.908	Classic Cartage
302	GLC14534	9941A	13-May-13	17423 W. Jefferson	ORMET	SOW	13-May-13	7900 Haggerly	58	87,939	39.889	Classic Cartage
303	GLC14535	204	13-May-13	17423 W. Jefferson	ORMET	SOW	13-May-13	7900 Haggerly	59	86,665	39.311	Classic Cartage
304	GLC15108	093/9941AB	13-May-13	26090 23 Mile Rd	ALOUETTE	SOW	13-May-13	50703 E Russell	55	86,784	39.365	Classic Cartage
305	GLC15109	093/9941AB	13-May-13	26090 23 Mile Rd	ALOUETTE	SOW	13-May-13	50703 E Russell	55	86,871	39.404	Classic Cartage
306	GLC15110	520/611AB	13-May-13	26090 23 Mile Rd	ALOUETTE	SOW	13-May-13	50703 E Russell	55	86,904	39.419	Classic Cartage
307	GLC15111	093/9941AB	13-May-13	26090 23 Mile Rd	ALOUETTE	SOW	13-May-13	50703 E Russell	55	86,549	39.258	Classic Cartage
308	GLC15112	520/611AB	13-May-13	26090 23 Mile Rd	ALOUETTE	SOW	13-May-13	50703 E Russell	55	86,349	39.167	Classic Cartage
309	GLC15113	093/9941AB	13-May-13	26090 23 Mile Rd	ALOUETTE	SOW	13-May-13	50703 E Russell	56	87,025	39.474	Classic Cartage
310	GLC15114	520-611AB	13-May-13	26090 23 Mile Rd	ALOUETTE	SOW	13-May-13	50703 E Russell	56	86,459	39.217	Classic Cartage
311	GLC15115	093-9941AB	13-May-13	26090 23 Mile Rd	ALOUETTE	SOW	13-May-13	50703 E Russell	56	87,196	39.551	Classic Cartage
312	GLC15116	520/611AB	13-May-13	26090 23 Mile Rd	ALOUETTE	SOW	13-May-13	50703 E Russell	55	86,836	39.388	Classic Cartage
313	GLC15117	520/611AB	13-May-13	26090 23 Mile Rd	ALOUETTE	SOW	13-May-13	50703 E Russell	55	86,728	39.339	Classic Cartage
314	GLC15526	9934/2144	13-May-13	151 Lafayette	ALMA/ALCAN	SOW	13-May-13	26090 23 Mile Rd	62	87,098	39.507	ALGER
315	GLC15527	711/2138	13-May-13	151 Lafayette	ALCAN	SOW	13-May-13	26090 23 Mile Rd	55	87,203	39.555	ALGER

	M	N	O
271	13613-01	$215.00	$215.00
272	13614-01	$215.00	$215.00
273	13615-01	$215.00	$215.00
274	13616-01	$215.00	$215.00
275	13617-01	$215.00	$215.00
276	111	$200.00	$200.00
277	111	$200.00	$200.00
278	111	$200.00	$200.00
279	111	$200.00	$200.00
280	111	$200.00	$200.00
281	111	$200.00	$200.00
282	111	$200.00	$200.00
283	111	$200.00	$200.00
284	111	$200.00	$200.00
285	111	$200.00	$200.00
286	111	$200.00	$200.00
287	111	$200.00	$200.00
288	111	$200.00	$200.00
289	14302-01	$235.00	$235.00
290	14303-01	$235.00	$235.00
291	14305-01	$235.00	$235.00
292	14306-01	$235.00	$235.00
293	14447-01	$225.00	$225.00
294	14448-01	$225.00	$225.00
295	14449-01	$225.00	$225.00
296	14450-01	$225.00	$225.00
297	14451-01	$225.00	$225.00
298	111	$200.00	$200.00
299	113	$240.00	$240.00
300	111	$240.00	$240.00
301	113	$240.00	$240.00
302	111	$240.00	$240.00
303	113	$240.00	$240.00
304	111	$200.00	$200.00
305	111	$200.00	$200.00
306	111	$200.00	$200.00
307	111	$200.00	$200.00
308	111	$200.00	$200.00
309	111	$200.00	$200.00
310	111	$200.00	$200.00
311	111	$200.00	$200.00
312	111	$200.00	$200.00
313	111	$200.00	$200.00
314	15526-01	$225.00	$225.00
315	15527-01	$225.00	$225.00

	A	B	C	D	E	F	G	H	I	J	K	L
316	GLC15528	9934/2144	13-May-13	151 Lafayette	ALCAN	SOW	13-May-13	26090 23 Mile Rd	54	87,437	39.661	ALGER
317	GLC15529	711/2138	13-May-13	151 Lafayette	ALCAN	SOW	13-May-13	26090 23 Mile Rd	54	87,643	39.754	ALGER
318	GLC15530	96/2137A	13-May-13	151 Lafayette	ALCAN	SOW	13-May-13	26090 23 Mile Rd	54	87,323	39.609	ALGER
319	GLC15531	2149/2149A	13-May-13	151 Lafayette	ALCAN	SOW	13-May-13	26090 23 Mile Rd	54	87,539	39.707	ALGER
320	GLC15532	2149/2149A	13-May-13	151 Lafayette	ALCAN	SOW	13-May-13	26090 23 Mile Rd	54	87,184	39.546	ALGER
321	GLC15533	9934/2144	13-May-13	151 Lafayette	ALCAN	SOW	13-May-13	26090 23 Mile Rd	57	86,751	39.350	ALGER
322	GLC15534	711/2138	13-May-13	151 Lafayette	ALCAN	SOW	13-May-13	26090 23 Mile Rd	57	87,403	39.645	ALGER
323	GLC15535	96/2137A	13-May-13	151 Lafayette	ALCAN	SOW	13-May-13	26090 23 Mile Rd	60	87,283	39.591	ALGER
324	GLC15536	9934/2144A	13-May-13	151 Lafayette	ALCAN	SOW	13-May-13	26090 23 Mile Rd	57	87,473	39.677	ALGER
325	GLC15537	711/2138A	13-May-13	151 Lafayette	ALCAN	SOW	13-May-13	26090 23 Mile Rd	58	87,909	39.875	ALGER
326	GLC15538	78/2147A	13-May-13	151 Lafayette	ALCAN	SOW	13-May-13	26090 23 Mile Rd	55	87,559	39.716	ALGER
327	GLC15539	96/2137A	13-May-13	151 Lafayette	ALCAN	SOW	13-May-13	26090 23 Mile Rd	58	86,725	39.338	ALGER
328	GLC15540	2149/2149A	13-May-13	151 Lafayette	ALCAN	SOW	13-May-13	26090 23 Mile Rd	57	87,566	39.719	ALGER
329	GLC13618	78/78A	14-May-13	20495 Pennsylvania	Alouette	ING	14-May-13	17423 West Jefferson	38	87,061	39.490	ALGER
330	GLC13619	111/2142A	14-May-13	20495 Pennsylvania	Alouette	ING	14-May-13	17423 West Jefferson	38	87,292	39.595	ALGER
331	GLC13620	634/634A	14-May-13	20495 Pennsylvania	Alouette	ING	14-May-13	17423 West Jefferson	38	87,431	39.658	
332	GLC13621	7982/631A	14-May-13	20495 Pennsylvania	Alouette	ING	14-May-13	17423 West Jefferson	38	87,340	39.617	ALGER
333	GLC13622	111/3142A	14-May-13	20495 Pennsylvania	Alouette	ING	14-May-13	17423 West Jefferson	38	87,664	39.764	ALGER
334	GLC13623	634/634A	14-May-13	20495 Pennsylvania	Alouette	ING	14-May-13	17423 West Jefferson	38	87,787	39.820	ALGER
335	GLC13624	7982/631A	14-May-13	20495 Pennsylvania	Alouette/Abcq	ING/TBAR	14-May-13	17423 West Jefferson	39	87,978	39.906	ALGER
336	GLC13625	111/2142A	14-May-13	20495 Pennsylvania	Abcq	TBAR	14-May-13	17423 West Jefferson	55	86,886	39.411	ALGER
337	GLC13626	7982/631A	14-May-13	20495 Pennsylvania	Abcq	TBAR	14-May-13	17423 West Jefferson	55	86,933	39.432	ALGER
338	GLC14050	520/611AB	14-May-13	2599 22nd St	Alcoa	SOW	14-May-13	4815 Cabot	63	87,329	39.612	Classic Cartage
339	GLC14051	4/4B	14-May-13	2599 22nd St	ME Alcoa	SOW	14-May-13	4815 Cabot	67	87,748	39.802	Classic Cartage
340	GLC14052	924/5428	14-May-13	2599 22nd St	ME Alcoa	SOW	14-May-13	4815 Cabot	65	87,604	39.737	Classic Cartage
341	GLC14053	520/611AB	14-May-13	2599 22nd St	ME Alcoa	SOW	14-May-13	4815 Cabot	63	87,107	39.511	Classic Cartage
342	GLC14054	4/4B	14-May-13	2599 22nd St	ME Alcoa	SOW	14-May-13	4815 Cabot	63	87,907	39.874	Classic Cartage
343	GLC14055	924/5428	14-May-13	2599 22nd St	ME Alcoa	SOW	14-May-13	4815 Cabot	64	87,373	39.632	Classic Cartage
344	GLC14056	520/611AB	14-May-13	2599 22nd St	ME Alcoa	SOW	14-May-13	4815 Cabot	64	86,633	39.296	Classic Cartage
345	GLC14057	4/4B	14-May-13	2599 22nd St	ME Alcoa/Alouette	SOW	14-May-13	4815 Cabot	62	87,975	39.905	Classic Cartage
346	GLC14058	924/5428	14-May-13	2599 22nd St	Alouette/ME Alcoa	SOW	14-May-13	13542 Helen St	61	86,988	39.457	Classic Cartage
347	GLC14059	093/9941AB	14-May-13	2599 22nd St	ME Alcoa	SOW	14-May-13	4815 Cabot	65	87,742	39.799	Classic Cartage
348	GLC14060	6/808	14-May-13	2599 22nd St	ME Alcoa	SOW	14-May-13	4815 Cabot	64	87,684	39.773	Classic Cartage
349	GLC14061	520/611AB	14-May-13	2599 22nd St	ME Alcoa	SOW	14-May-13	4815 Cabot	64	87,111	39.513	Classic Cartage
350	GLC14062	4/4B	14-May-13	2599 22nd St	ME Alcoa/Alcoa	SOW	14-May-13	4815 Cabot	62	87,223	39.564	Classic Cartage
351	GLC14063	15097/15097B	14-May-13	2599 22nd St	Alcoa/ME Alcoa	SOW	14-May-13	4815 Cabot	64	86,653	39.305	Classic Cartage
352	GLC14064	924/5428	14-May-13	2599 22nd St	ME Alcoa	SOW	14-May-13	4815 Cabot	66	87,927	39.883	Classic Cartage
353	GLC14307	35/35A	14-May-13	12850 E. Nine Mile Rd	Alcan	SOW	14-May-13	151 Lafayette	52	86,936	39.434	ALGER
354	GLC14308	2149/2149A	14-May-13	12850 E. Nine Mile Rd	Alcan	SOW	14-May-13	151 Lafayette	53	87,061	39.490	ALGER
355	GLC14309	2149/2149A	14-May-13	12850 E. Nine Mile Rd	Alcan	SOW	14-May-13	151 Lafayette	54	87,831	39.840	ALGER
356	GLC14310	78/2147A	14-May-13	12850 E. Nine Mile Rd	Alcan	SOW	14-May-13	151 Lafayette	54	87,795	39.823	ALGER
357	GLC14311	78/2147A	14-May-13	12850 E. Nine Mile Rd	Alcan	SOW	14-May-13	151 Lafayette	53	86,701	39.327	ALGER
358	GLC14452	2140A	14-May-13	9450 Buffalo	Abcq	TBAR	14-May-13	2599 22nd St	57	86,570	39.268	ALGER
359	GLC14453	2140A	14-May-13	9450 Buffalo	Abcq	TBAR	14-May-13	2599 22nd St	56	87,055	39.488	ALGER
360	GLC14454	2140A	14-May-13	9450 Buffalo	Abcq	TBAR	14-May-13	2599 22nd St	55	86,497	39.234	ALGER

	M	N	O
316	15528-01	$225.00	$225.00
317	15529-01	$225.00	$225.00
318	15530-01	$225.00	$225.00
319	15531-01	$225.00	$225.00
320	15532-01	$225.00	$225.00
321	15533-01	$225.00	$225.00
322	15534-01	$225.00	$225.00
323	15535-01	$225.00	$225.00
324	15536-01	$225.00	$225.00
325	15537-01	$225.00	$225.00
326	15538-01	$225.00	$225.00
327	15539-01	$225.00	$225.00
328	15540-01	$225.00	$225.00
329	13618-01	$215.00	$215.00
330	13619-01	$215.00	$215.00
331			
332	13621-01	$215.00	$215.00
333	13622-01	$215.00	$215.00
334	13623-01	$215.00	$215.00
335	13624-01	$215.00	$215.00
336	13625-01	$215.00	$215.00
337	13626-01	$215.00	$215.00
338	111	$200.00	$200.00
339	111	$200.00	$200.00
340	111	$200.00	$200.00
341	111	$200.00	$200.00
342	111	$200.00	$200.00
343	111	$200.00	$200.00
344	111	$200.00	$200.00
345	111	$200.00	$200.00
346	111	$200.00	$200.00
347	111	$200.00	$200.00
348	111	$200.00	$200.00
349	111	$200.00	$200.00
350	111	$200.00	$200.00
351	111	$200.00	$200.00
352	111	$200.00	$200.00
353	13407-01	$235.00	$235.00
354	14308-01	$235.00	$235.00
355	14309-01	$235.00	$235.00
356	14310-01	$235.00	$235.00
357	14311-01	$235.00	$235.00
358	14452-01	$225.00	$225.00
359	14453-01	$225.00	$225.00
360	14454-01	$225.00	$225.00

	A	B	C	D	E	F	G	H	I	J	K	L
361	GLC14455	2140A	14-May-13	9450 Buffalo	Abcq	TBAR	14-May-13	2599 22nd St	55	86,742	39.346	ALGER
362	GLC14456	2140A	14-May-13	9450 Buffalo	Abcq	TBAR	14-May-13	2599 22nd St	55	87,329	39.612	ALGER
363	GLC14536	204	14-May-13	17423 West Jefferson	Ormet	SOW	14-May-13	7900 Haggerty	60	87,599	39.734	Classic Cartage
364	GLC14537	403	14-May-13	17423 West Jefferson	Ormet/ME Alcoa	SOW	14-May-13	7900 Haggerty	60	86,611	39.286	Classic Cartage
365	GLC14538	15097	14-May-13	17423 West Jefferson	ME Alcoa/Alcan	SOW/TBAR	14-May-13	7900 Haggerty	60	86,625	39.292	Classic Cartage
366	GLC14539	403	14-May-13	17423 West Jefferson	Alcan	TBAR/SOW	14-May-13	7900 Haggerty	59	87,888	39.865	Classic Cartage
367	GLC14540	204	14-May-13	17423 West Jefferson	Ormet/Alcan	SOW	14-May-13	7900 Haggerty	63	86,709	39.331	Classic Cartage
368	GLC14724	234/504	14-May-13	1200 E. McNichols	Alcan	ING	14-May-13	6490 Lynch	41	86,921	39.427	Classic Cartage
369	GLC14725	33/080	14-May-13	1200 E. McNichols	Alcan	ING	14-May-13	6490 Lynch	41	86,876	39.406	Classic Cartage
370	GLC14726	234/504	14-May-13	1200 E. McNichols	Alcan	ING	14-May-13	6490 Lynch	41	87,140	39.526	Classic Cartage
371	GLC14727	33/080	14-May-13	1200 E. McNichols	Alcan	ING	14-May-13	6490 Lynch	41	86,748	39.348	Classic Cartage
372	GLC14728	534/504	14-May-13	1200 E. McNichols	Alcan	ING	14-May-13	6490 Lynch	41	86,752	39.350	Classic Cartage
373	GLC14729	33/080	14-May-13	1200 E. McNichols	Alcan	ING	14-May-13	6490 Lynch	41	86,706	39.329	Classic Cartage
374	GLC14730	33/080	14-May-13	1200 E. McNichols	Alcan	ING	14-May-13	6490 Lynch	41	87,327	39.611	Classic Cartage
375	GLC14731	093/9941AB	14-May-13	1200 E. McNichols	Alcan	ING	14-May-13	6490 Lynch	41	86,735	39.342	Classic Cartage
376	GLC14732	234/504	14-May-13	1200 E. McNichols	Alcan	ING	14-May-13	6490 Lynch	41	86,776	39.361	Classic Cartage
377	GLC15118	093/9941AB	14-May-13	26090 23 Mile Rd	Alouette	SOW	14-May-13	50703 E Russell	56	87,821	39.835	Classic Cartage
378	GLC15119	6/808	14-May-13	26090 23 Mile Rd	Alouette	SOW	14-May-13	50703 E Russell	55	86,929	39.430	Classic Cartage
379	GLC15120	6/808	14-May-13	26090 23 Mile Rd	Alouette	SOW	14-May-13	50703 E Russell	55	86,687	39.321	Classic Cartage
380	GLC15121	6/808	14-May-13	26090 23 Mile Rd	Alouette	SOW	14-May-13	50703 E Russell	56	86,700	39.327	Classic Cartage
381	GLC15122	520/9941AB	14-May-13	26090 23 Mile Rd	Alouette	SOW	14-May-13	50703 E Russell	56	87,623	39.745	Classic Cartage
382	GLC15123	6/808	14-May-13	26090 23 Mile Rd	Alouette	SOW	14-May-13	50703 E Russell	56	87,947	39.892	Classic Cartage
383	GLC15124	093/9941AB	14-May-13	26090 23 Mile Rd	Alouette	SOW	14-May-13	50703 E Russell	55	86,805	39.374	Classic Cartage
384	GLC15125	6/808	14-May-13	26090 23 Mile Rd	Alouette	SOW	14-May-13	50703 E Russell	56	87,135	39.524	Classic Cartage
385	GLC15126	093/9941AB	14-May-13	26090 23 Mile Rd	Alouette	SOW	14-May-13	50703 E Russell	55	86,607	39.284	Classic Cartage
386	GLC15127	6/808	14-May-13	26090 23 Mile Rd	Alouette	SOW	14-May-13	50703 E Russell	55	86,544	39.256	Classic Cartage
387	GLC15541	9934/2144	14-May-13	151 Lafayette	Alma/Alcan	SOW	14-May-13	26090 23 Mile Rd	60	86,691	39.322	ALGER
388	GLC15542	711/2138	14-May-13	151 Lafayette	Alma/Alcan	SOW	14-May-13	26090 23 Mile Rd	56	87,647	39.756	ALGER
389	GLC15543	2149/2149A	14-May-13	151 Lafayette	Alcan	SOW	14-May-13	26090 23 Mile Rd	54	87,447	39.665	ALGER
390	GLC15544	35/35A	14-May-13	151 Lafayette	Alcan	SOW	14-May-13	26090 23 Mile Rd	55	87,666	39.765	ALGER
391	GLC15545	9934/2144	14-May-13	151 Lafayette	Alcan	SOW	14-May-13	26090 23 Mile Rd	55	87,391	39.640	ALGER
392	GLC15546	711/2138	14-May-13	151 Lafayette	Alcan	SOW	14-May-13	26090 23 Mile Rd	54	87,652	39.758	ALGER
393	GLC15547	78/2147A	14-May-13	151 Lafayette	Alcan	SOW	14-May-13	26090 23 Mile Rd	57	86,975	39.451	ALGER
394	GLC15548	35/35A	14-May-13	151 Lafayette	Alcan	SOW	14-May-13	26090 23 Mile Rd	58	87,989	39.911	ALGER
395	GLC15549	9934/2144	14-May-13	151 Lafayette	Alcan	SOW	14-May-13	26090 23 Mile Rd	56	86,961	39.445	ALGER
396	GLC15550	711/2138	14-May-13	151 Lafayette	Alcan	SOW	14-May-13	26090 23 Mile Rd	54	87,479	39.680	ALGER
397	GLC15551	2149/2149A	14-May-13	151 Lafayette	Alcan	SOW	14-May-13	26090 23 Mile Rd	54	87,550	39.712	ALGER
398	GLC15552	35/35A	14-May-13	151 Lafayette	Alcan	SOW	14-May-13	26090 23 Mile Rd	54	86,751	39.350	ALGER
399	GLC15553	9934/2144	14-May-13	151 Lafayette	Alcan	SOW	14-May-13	26090 23 Mile Rd	59	86,533	39.251	ALGER
400	GLC15554	711/2138	14-May-13	151 Lafayette	Alcan	SOW	14-May-13	26090 23 Mile Rd	54	87,752	39.804	ALGER
401	GLC15555	78/2147A	14-May-13	151 Lafayette	Alcan	SOW	14-May-13	26090 23 Mile Rd	56	87,572	39.722	ALGER
402	GLC13627	95/17A	15-May-13	20495 Pennsylvania	Abcq	TBAR	15-May-13	17423 W Jefferson	55	86,578	39.271	ALGER
403	GLC13628	7982/2141A	15-May-13	20495 Pennsylvania	Abcq	TBAR	15-May-13	17423 W Jefferson	55	86,736	39.343	ALGER
404	GLC13629	95/17A	15-May-13	20495 Pennsylvania	Abcq	TBAR	15-May-13	17423 W Jefferson	55	87,024	39.473	ALGER
405	GLC13630	7982/2141A	15-May-13	20495 Pennsylvania	Abcq	TBAR	15-May-13	17423 W Jefferson	55	87,132	39.522	ALGER

	M	N	O
361	14455-01	$225.00	$225.00
362	14456-01	$225.00	$225.00
363	113	$240.00	$240.00
364	113	$240.00	$240.00
365	111	$200.00	$200.00
366	113	$240.00	$240.00
367	113	$240.00	$240.00
368	113	$200.00	$200.00
369	111	$200.00	$200.00
370	113	$200.00	$200.00
371	111	$200.00	$200.00
372	113	$200.00	$200.00
373	111	$200.00	$200.00
374	111	$200.00	$200.00
375	111	$200.00	$200.00
376	113	$200.00	$200.00
377	111	$200.00	$200.00
378	111	$200.00	$200.00
379	111	$200.00	$200.00
380	111	$200.00	$200.00
381	111	$200.00	$200.00
382	111	$200.00	$200.00
383	111	$200.00	$200.00
384	111	$200.00	$200.00
385	111	$200.00	$200.00
386	111	$200.00	$200.00
387	15541-01	$225.00	$225.00
388	15542-01	$225.00	$225.00
389	15543-02	$225.00	$225.00
390	15544-01	$225.00	$225.00
391	15545-01	$225.00	$225.00
392	15546-01	$225.00	$225.00
393	15547-01	$225.00	$225.00
394	15548-01	$225.00	$225.00
395	15549-01	$225.00	$225.00
396	15550-01	$225.00	$225.00
397	15551-01	$225.00	$225.00
398	15552-01	$225.00	$225.00
399	15553-01	$225.00	$225.00
400	15554-01	$225.00	$225.00
401	15555-01	$225.00	$225.00
402	13627-01	$215.00	$215.00
403	13628-01	$215.00	$215.00
404	13629-01	$215.00	$215.00
405	13630-01	$215.00	$215.00

	A	B	C	D	E	F	G	H	I	J	K	L
406	GLC13631	111/2137A	15-May-13	20495 Pennsylvania	Abcq	TBAR	15-May-13	17423 W Jefferson	55	86,829	39.385	ALGER
407	GLC13632	95/17A	15-May-13	20495 Pennsylvania	Abcq	TBAR	15-May-13	17423 W Jefferson	57	86,712	39.332	ALGER
408	GLC13633	7982/2141A	15-May-13	20495 Pennsylvania	Abcq	TBAR	15-May-13	17423 W Jefferson	56	86,954	39.442	ALGER
409	GLC13634	111/2137A	15-May-13	20495 Pennsylvania	Abcq	TBAR	15-May-13	17423 W Jefferson	55	87,069	39.494	ALGER
410	GLC14065	4/4B	15-May-13	2599 22nd St	ME Alcoa/Alouette	SOW/ING	15-May-13	4815 Cabot	60	87,700	39.780	Classic Cartage
411	GLC14066	106/803	15-May-13	2599 22nd St	ME Alcoa/Alouette	SOW/ING	15-May-13	4815 Cabot	53	87,324	39.610	Classic Cartage
412	GLC14067	924/5428	15-May-13	2599 22nd St	ME Alcoa	SOW	15-May-13	4815 Cabot	65	87,619	39.743	Classic Cartage
413	GLC14068	4/4B	15-May-13	2599 22nd St	Alcoa	SOW	15-May-13	4815 Cabot	64	86,928	39.430	Classic Cartage
414	GLC14069	924/5428	15-May-13	2599 22nd St	Abcq/ME Alcoa	TBAR/SOW	15-May-13	4815 Cabot	60	87,420	39.653	Classic Cartage
415	GLC14070	106/803	15-May-13	2599 22nd St	Abcq	TBAR	15-May-13	4815 Cabot	55	87,732	39.795	Classic Cartage
416	GLC14071	4/4B	15-May-13	2599 22nd St	Abcq	TBAR	15-May-13	4815 Cabot	55	87,364	39.628	Classic Cartage
417	GLC14072	924/5428	15-May-13	2599 22nd St	Abcq	TBAR	15-May-13	4815 Cabot	55	87,551	39.713	Classic Cartage
418	GLC14073	093/941AB	15-May-13	2599 22nd St	Abcq	TBAR	15-May-13	4815 Cabot	55	87,845	39.846	Classic Cartage
419	GLC14074	106/803	15-May-13	2599 22nd St	Abcq	TBAR	15-May-13	4815 Cabot	57	87,694	39.777	Classic Cartage
420	GLC14075	6/808	15-May-13	2599 22nd St	Abcq	TBAR	15-May-13	4815 Cabot	57	87,894	39.868	Classic Cartage
421	GLC14076	4/4B	15-May-13	2599 22nd St	Abcq	TBAR	15-May-13	4815 Cabot	55	87,549	39.712	Classic Cartage
422	GLC14077	15097/15097B	15-May-13	2599 22nd St	Abcq	TBAR	15-May-13	4815 Cabot	59	87,101	39.508	Classic Cartage
423	GLC14078	924/5428	15-May-13	2599 22nd St	Abcq	TBAR	15-May-13	4815 Cabot	57	86,778	39.362	Classic Cartage
424	GLC14079	96/403	15-May-13	2599 22nd St	Abcq	TBAR	15-May-13	4815 Cabot	58	86,883	39.410	Classic Cartage
425	GLC14312	35/35A	15-May-13	12850 E. Nine Mile Rd	Alcan	SOW	15-May-13	151 Lafayette	52	86,815	39.379	ALGER
426	GLC14313	3100/111	15-May-13	12850 E. Nine Mile Rd	Alcan	SOW	15-May-13	151 Lafayette	53	86,897	39.416	ALGER
427	GLC14314	3100/111	15-May-13	12850 E. Nine Mile Rd	Alcan	SOW	15-May-13	151 Lafayette	54	87,672	39.767	ALGER
428	GLC14315	78/2147A	15-May-13	12850 E. Nine Mile Rd	Alcan	SOW	15-May-13	151 Lafayette	54	87,824	39.836	ALGER
429	GLC14316	78/2147A	15-May-13	12850 E. Nine Mile Rd	Alcan	SOW	15-May-13	151 Lafayette	53	87,221	39.563	ALGER
430	GLC14457	2140A	15-May-13	9450 Buffalo	Abcq	TBAR	15-May-13	2599 22nd St	55	86,780	39.363	ALGER
431	GLC14458	108/2140A	15-May-13	9450 Buffalo	Abcq	TBAR	15-May-13	2599 22nd St	57	87,146	39.529	ALGER
432	GLC14459	2140A	15-May-13	9450 Buffalo	Abcq	TBAR	15-May-13	2599 22nd St	57	87,121	39.517	ALGER
433	GLC14460	2140A	15-May-13	9450 Buffalo	Abcq	TBAR	15-May-13	2599 22nd St	56	86,986	39.456	ALGER
434	GLC14461	2140A	15-May-13	9450 Buffalo	Abcq	TBAR	15-May-13	2599 22nd St	57	87,129	39.521	ALGER
435	GLC14541	204	15-May-13	17423 West Jefferson	Ormet/Alcan	TBAR/SOW	15-May-13	7900 Haggerty	58	86,992	39.459	Classic Cartage
436	GLC14542	403	15-May-13	17423 West Jefferson	Alcan	TBAR	15-May-13	7900 Haggerty	57	87,041	39.481	Classic Cartage
437	GLC14543	15097	15-May-13	17423 West Jefferson	Alcoa/Alcan	SOW	15-May-13	7900 Haggerty	66	87,085	39.501	Classic Cartage
438	GLC14544	204	15-May-13	17423 West Jefferson	Alcoa/Alcan	SOW	15-May-13	7900 Haggerty	60	87,280	39.590	Classic Cartage
439	GLC14545	403	15-May-13	17423 West Jefferson	Ormet/Alcoa	SOW	15-May-13	7900 Haggerty	62	87,976	39.905	Classic Cartage
440	GLC14733	33/080	15-May-13	1200 E. McNichols	Alcan	ING	15-May-13	6490 Lynch	41	86,869	39.403	Classic Cartage
441	GLC14734	520/611AB	15-May-13	1200 E. McNichols	Alcan	ING	15-May-13	6490 Lynch	41	86,946	39.438	Classic Cartage
442	GLC14735	33/080	15-May-13	1200 E. McNichols	Alcan	ING	15-May-13	6490 Lynch	41	86,355	39.170	Classic Cartage
443	GLC14736	811/AB	15-May-13	1200 E. McNichols	Alcan	ING	15-May-13	6490 Lynch	41	87,005	39.465	Classic Cartage
444	GLC14737	33/080	15-May-13	1200 E. McNichols	Alcan	ING/SOW	15-May-13	6490 Lynch	42	87,413	39.650	Classic Cartage
445	GLC14738	520/611AB	15-May-13	1200 E. McNichols	Alcan	SOW	15-May-13	6490 Lynch	55	86,467	39.221	Classic Cartage
446	GLC14739	33/080	15-May-13	1200 E. McNichols	Alcan	SOW	15-May-13	6490 Lynch	53	87,229	39.566	Classic Cartage
447	GLC14740	520/611AB	15-May-13	1200 E. McNichols	Alcan	SOW	15-May-13	6490 Lynch	52	86,875	39.406	Classic Cartage
448	GLC14741	207/307	15-May-13	1200 E. McNichols	Alcan	SOW	15-May-13	6490 Lynch	53	87,828	39.838	Classic Cartage
449	GLC14742	1569/204	15-May-13	1200 E. McNichols	Alcan	SOW	15-May-13	6490 Lynch	54	87,607	39.738	Classic Cartage
450	GLC15128	093/9941AB	15-May-13	26090 23 Mile Rd	Alouette	SOW	15-May-13	50703 E Russell	55	86,750	39.349	Classic Cartage

	M	N	O
406	13631-01	$215.00	$215.00
407	13632-01	$215.00	$215.00
408	13633-01	$215.00	$215.00
409	13634-01	$215.00	$215.00
410	111	$200.00	$200.00
411	113	$200.00	$200.00
412	111	$200.00	$200.00
413	111	$200.00	$200.00
414	111	$200.00	$200.00
415	113	$200.00	$200.00
416	111	$200.00	$200.00
417	111	$200.00	$200.00
418	111	$200.00	$200.00
419	113	$200.00	$200.00
420	111	$200.00	$200.00
421	111	$200.00	$200.00
422	111	$200.00	$200.00
423	111	$200.00	$200.00
424	113	$200.00	$200.00
425	14312-01	$235.00	$235.00
426	14313-01	$235.00	$235.00
427	14314-01	$235.00	$235.00
428	14315-01	$235.00	$235.00
429	14316-01	$235.00	$235.00
430	14457-01	$225.00	$225.00
431	14458-01	$225.00	$225.00
432	14459-01	$225.00	$225.00
433	14460-01	$225.00	$225.00
434	14461-01	$225.00	$225.00
435	113	$240.00	$240.00
436	113	$240.00	$240.00
437	111	$240.00	$240.00
438	113	$240.00	$240.00
439	113	$240.00	$240.00
440	111	$200.00	$200.00
441	111	$200.00	$200.00
442	111	$200.00	$200.00
443	111	$200.00	$200.00
444	111	$200.00	$200.00
445	111	$200.00	$200.00
446	111	$200.00	$200.00
447	111	$200.00	$200.00
448	113	$200.00	$200.00
449	113	$200.00	$200.00
450	111	$200.00	$200.00

	A	B	C	D	E	F	G	H	I	J	K	L
451	GLC15129	6/808	15-May-13	26090 23 Mile Rd	Alouette	SOW	15-May-13	50703 E Russell	56	87,999	39.916	Classic Cartage
452	GLC15130	093/9941AB	15-May-13	26090 23 Mile Rd	Alouette	SOW	15-May-13	50703 E Russell	56	87,015	39.469	Classic Cartage
453	GLC15131	6/808	15-May-13	26090 23 Mile Rd	Alouette	SOW	15-May-13	50703 E Russell	56	87,883	39.863	Classic Cartage
454	GLC15132	093/9941AB	15-May-13	26090 23 Mile Rd	Alouette	SOW	15-May-13	50703 E Russell	55	86,768	39.357	Classic Cartage
455	GLC15133	6/808	15-May-13	26090 23 Mile Rd	Alouette	SOW	15-May-13	50703 E Russell	56	87,859	39.852	Classic Cartage
456	GLC15134	093/9941AB	15-May-13	26090 23 Mile Rd	Alouette	SOW	15-May-13	50703 E Russell	55	86,910	39.422	Classic Cartage
457	GLC15135	6/808	15-May-13	26090 23 Mile Rd	Alouette	SOW	15-May-13	50703 E Russell	56	86,967	39.448	Classic Cartage
458	GLC15136	093/9941AB	15-May-13	26090 23 Mile Rd	Alouette	SOW	15-May-13	50703 E Russell	56	87,644	39.755	Classic Cartage
459	GLC15137	6/808	15-May-13	26090 23 Mile Rd	Alouette	SOW	15-May-13	50703 E Russell	55	86,863	39.400	Classic Cartage
460	GLC15556	711/2138	15-May-13	151 Lafayette	Alma/Alcan	SOW	15-May-13	26090 23 Mile Rd	61	86,895	39.415	ALGER
461	GLC15557	35/35A	15-May-13	151 Lafayette	Alcan	SOW	15-May-13	26090 23 Mile Rd	57	87,807	39.829	ALGER
462	GLC15558	9934/2144	15-May-13	151 Lafayette	Alcan	SOW	15-May-13	26090 23 Mile Rd	57	87,746	39.801	ALGER
463	GLC15559	78/2147A	15-May-13	151 Lafayette	Alcan/Alma	SOW	15-May-13	26090 23 Mile Rd	61	86,585	39.274	ALGER
464	GLC15560	9934/2144	15-May-13	151 Lafayette	Alcan	SOW	15-May-13	26090 23 Mile Rd	59	86,610	39.286	ALGER
465	GLC15561	3100/111-112	15-May-13	151 Lafayette	Alcan	SOW	15-May-13	26090 23 Mile Rd	58	87,534	39.705	ALGER
466	GLC15562	35/35A	15-May-13	151 Lafayette	Alcan	SOW	15-May-13	26090 23 Mile Rd	56	87,656	39.760	ALGER
467	GLC15563	9934/2144	15-May-13	151 Lafayette	Alcan	SOW	15-May-13	26090 23 Mile Rd	54	87,735	39.796	ALGER
468	GLC15564	711/2138	15-May-13	151 Lafayette	Alcan	SOW	15-May-13	26090 23 Mile Rd	54	87,962	39.899	ALGER
469	GLC15565	9934/2144	15-May-13	151 Lafayette	Alcan	SOW	15-May-13	26090 23 Mile Rd	54	87,559	39.716	ALGER
470	GLC15566	711/2138	15-May-13	151 Lafayette	Alcan	SOW	15-May-13	26090 23 Mile Rd	54	87,850	39.848	ALGER
471	GLC15567	3100/111-112	15-May-13	151 Lafayette	Alcan	SOW	15-May-13	26090 23 Mile Rd	53	87,469	39.675	ALGER
472	GLC15568	35/35A	15-May-13	151 Lafayette	Alcan	SOW	15-May-13	26090 23 Mile Rd	54	87,637	39.752	ALGER
473	GLC15569	711/2138	15-May-13	151 Lafayette	Alcan	SOW	15-May-13	26090 23 Mile Rd	54	87,715	39.787	ALGER
474	GLC15570	78/2147A	15-May-13	151 Lafayette	Alcan	SOW	15-May-13	26090 23 Mile Rd	54	87,576	39.724	ALGER
475	GLC13635	35/35A	16-May-13	20495 Pennsylvania	Abcq	TBAR	16-May-13	17423 West Jefferson	55	86,964	39.446	ALGER
476	GLC13636	3100/111/112	16-May-13	20495 Pennsylvania	Abcq	TBAR	16-May-13	17423 West Jefferson	55	87,091	39.504	ALGER
477	GLC13637	7982/2141A	16-May-13	20495 Pennsylvania	Abcq	TBAR	16-May-13	17423 West Jefferson	55	86,886	39.411	ALGER
478	GLC13638	35/35A	16-May-13	20495 Pennsylvania	Abcq	TBAR	16-May-13	17423 West Jefferson	59	87,167	39.538	ALGER
479	GLC13639	3100/111/112	16-May-13	20495 Pennsylvania	Abcq	TBAR	16-May-13	17423 West Jefferson	57	86,850	39.395	ALGER
480	GLC13640	7982/2141A	16-May-13	20495 Pennsylvania	Abcq	TBAR	16-May-13	17423 West Jefferson	60	86,751	39.350	ALGER
481	GLC13641	35/35A	16-May-13	20495 Pennsylvania	Abcq	TBAR	16-May-13	17423 West Jefferson	57	86,429	39.204	
482	GLC14080	1569/204	16-May-13	2599 22nd St	Abcq	TBAR	16-May-13	4815 Cabot	55	86,672	39.314	Classic Cartage
483	GLC14081	924/5428	16-May-13	2599 22nd St	Abcq	TBAR	16-May-13	4815 Cabot	57	87,937	39.888	Classic Cartage
484	GLC14082	4/4B	16-May-13	2599 22nd St	Abcq	TBAR	16-May-13	4815 Cabot	57	87,651	39.758	Classic Cartage
485	GLC14083	1569/204	16-May-13	2599 22nd St	Abcq	TBAR	16-May-13	4815 Cabot	55	87,038	39.480	Classic Cartage
486	GLC14084	924/5428	16-May-13	2599 22nd St	Abcq	TBAR	16-May-13	4815 Cabot	55	87,718	39.788	Classic Cartage
487	GLC14085	1569/204	16-May-13	2599 22nd St	Abcq	TBAR	16-May-13	4815 Cabot	55	86,682	39.318	Classic Cartage
488	GLC14086	093/9941AB	16-May-13	2599 22nd St	Abcq	TBAR	16-May-13	4815 Cabot	55	87,219	39.562	Classic Cartage
489	GLC14087	4/4B	16-May-13	2599 22nd St	Abcq	TBAR	16-May-13	4815 Cabot	55	86,894	39.415	Classic Cartage
490	GLC14088	6/808	16-May-13	2599 22nd St	Abcq	TBAR	16-May-13	4815 Cabot	61	87,987	39.910	Classic Cartage
491	GLC14089	924/5428	16-May-13	2599 22nd St	Abcq	TBAR	16-May-13	4815 Cabot	56	86,699	39.326	Classic Cartage
492	GLC14090	96/403	16-May-13	2599 22nd St	Alcoa/Abcq	SOW/TBAR	16-May-13	4815 Cabot	58	87,894	39.868	Classic Cartage
493	GLC14091	1569/204	16-May-13	2599 22nd St	ME Alcoa	SOW	16-May-13	4815 Cabot	62	87,497	39.688	Classic Cartage
494	GLC14092	4/4B	16-May-13	2599 22nd St	ME Alcoa/Abcq	TBAR/SOW	16-May-13	4815 Cabot	59	86,777	39.361	Classic Cartage
495	GLC14093	77/77B	16-May-13	2599 22nd St	Abcq	TBAR	16-May-13	4815 Cabot	56	86,651	39.304	Classic Cartage

	M	N	O
451	111	$200.00	$200.00
452	111	$200.00	$200.00
453	111	$200.00	$200.00
454	111	$200.00	$200.00
455	111	$200.00	$200.00
456	111	$200.00	$200.00
457	111	$200.00	$200.00
458	111	$200.00	$200.00
459	111	$200.00	$200.00
460	15556-01	$225.00	$225.00
461	15557-01	$225.00	$225.00
462	15558-01	$225.00	$225.00
463	15559-01	$225.00	$225.00
464	15560-01	$225.00	$225.00
465	15561-01	$225.00	$225.00
466	15562-01	$225.00	$225.00
467	15563-01	$225.00	$225.00
468	15564-01	$225.00	$225.00
469	15565-01	$225.00	$225.00
470	15566-01	$225.00	$225.00
471	15567-01	$225.00	$225.00
472	15568-01	$225.00	$225.00
473	15569-01	$225.00	$225.00
474	15570-01	$225.00	$225.00
475	13635-01	$215.00	$215.00
476	13636-01	$215.00	$215.00
477	13637-01	$215.00	$215.00
478	13638-01	$215.00	$215.00
479	13639-01	$215.00	$215.00
480	13640-01	$215.00	$215.00
481			
482	113	$200.00	$200.00
483	111	$200.00	$200.00
484	111	$200.00	$200.00
485	113	$200.00	$200.00
486	111	$200.00	$200.00
487	113	$200.00	$200.00
488	111	$200.00	$200.00
489	111	$200.00	$200.00
490	111	$200.00	$200.00
491	111	$200.00	$200.00
492	113	$200.00	$200.00
493	113	$200.00	$200.00
494	111	$200.00	$200.00
495	111	$200.00	$200.00

	A	B	C	D	E	F	G	H	I	J	K	L
496	GLC14094	095/17A	15-May-13	2599 22nd St	Abcq	TBAR	16-May-13	4815 Cabot	58	87,165	39.537	Classic Cartage
497	GLC14317	78/2147A	16-May-13	12850 E. Nine Mile Rd	Alcan	SOW	16-May-13	151 Lafayette	53	87,593	39.732	ALGER
498	GLC14318	78/2147A	16-May-13	12850 E. Nine Mile Rd	Alcan/Abi	SOW/TBAR	16-May-13	151 Lafayette	53	86,408	39.194	ALGER
499	GLC14319	634/2139A	16-May-13	12850 E. Nine Mile Rd	Abi/Alcan	TBAR/SOW	16-May-13	151 Lafayette	54	87,953	39.895	ALGER
500	GLC14320	634/634A	16-May-13	12850 E. Nine Mile Rd	Alcan	SOW	16-May-13	151 Lafayette	56	87,199	39.553	ALGER
501	GLC14321	111/2137A	16-May-13	12850 E. Nine Mile Rd	Alma/Alcan	SOW	16-May-13	151 Lafayette	61	87,339	39.616	ALGER
502	GLC14462	2140A	16-May-13	9450 Buffalo	Abcq	TBAR	16-May-13	2599 22nd St	55	86,575	39.270	ALGER
503	GLC14463	2140A	16-May-13	9450 Buffalo	Abcq	TBAR	16-May-13	2599 22nd St	55	86,551	39.259	ALGER
504	GLC14464	2140A	16-May-13	9450 Buffalo	Abcq	TBAR	16-May-13	2599 22nd St	56	87,817	39.833	ALGER
505	GLC14465	2140A	16-May-13	9450 Buffalo	Abcq	TBAR	16-May-13	2599 22nd St	56	87,118	39.516	ALGER
506	GLC14466	2140A	16-May-13	9450 Buffalo	Abcq	TBAR	16-May-13	2599 22nd St	55	86,815	39.379	ALGER
507	GLC14546	80	16-May-13	17423 West Jefferson	Ormet/Alcan	SOW	16-May-13	7900 Haggerty	64	87,987	39.910	Classic Cartage
508	GLC14547	808	16-May-13	17423 West Jefferson	Ormet	SOW	16-May-13	7900 Haggerty	60	87,534	39.705	Classic Cartage
509	GLC14548	403	16-May-13	17423 West Jefferson	Ormet/Abcq/Alcan	TBAR/SOW	16-May-13	7900 Haggerty	57	87,476	39.678	Classic Cartage
510	GLC14549	803	16-May-13	17423 West Jefferson	Abcq/Ormet	TBAR/SOW	16-May-13	7900 Haggerty	56	87,918	39.879	Classic Cartage
511	GLC14551	80	16-May-13	17423 West Jefferson	Ormet	SOW	16-May-13	7900 Haggerty	60	87,015	39.469	Classic Cartage
512	GLC14743	520/611AB	16-May-13	1200 E. McNichols	Alcan	SOW	16-May-13	6490 Lynch	53	86,994	39.460	Classic Cartage
513	GLC14744	520/611AB	16-May-13	1200 E. McNichols	Alcan	SOW	16-May-13	6490 Lynch	52	86,579	39.272	Classic Cartage
514	GLC14745	15097A/15097B	16-May-13	1200 E. McNichols	Alcan	SOW	16-May-13	6490 Lynch	59	87,987	39.910	Classic Cartage
515	GLC14746	093/9941AB	16-May-13	1200 E. McNichols	Alcan	SOW	16-May-13	6490 Lynch	60	86,855	39.397	Classic Cartage
516	GLC14747	15097A/15097B	16-May-13	1200 E. McNichols	Alcan	SOW	16-May-13	6490 Lynch	58	87,956	39.896	Classic Cartage
517	GLC14749	520/611AB	16-May-13	1200 E. McNichols	Alcan	SOW	16-May-13	6490 Lynch	54	87,969	39.902	Classic Cartage
518	GLC14752	520/611AB	16-May-13	1200 E. McNichols	Alcan	SOW	16-May-13	6490 Lynch	61	86,961	39.445	Classic Cartage
519	GLC14793	924/5428	16-May-13	1200 E. McNichols	Alcan	SOW	16-May-13	6490 Lynch	60	87,407	39.647	Classic Cartage
520	GLC14794	97/610	16-May-13	1200 E. McNichols	Alcan	SOW	16-May-13	6490 Lynch	56	87,074	39.496	Classic Cartage
521	GLC14799	15097A/15097B	16-May-13	1200 E. McNichols	Alcan	SOW	16-May-13	6490 Lynch	56	87,204	39.555	Classic Cartage
522	GLC15138	093/9941AB	16-May-13	26090 23 Mile Rd	Alouette	SOW	16-May-13	50703 E Russell	56	86,842	39.391	Classic Cartage
523	GLC15139	6/808	16-May-13	26090 23 Mile Rd	Alouette	SOW	16-May-13	50703 E Russell	56	86,887	39.411	Classic Cartage
524	GLC15140	093/9941AB	16-May-13	26090 23 Mile Rd	Alcoa Massena East/Alouette	SOW	16-May-13	50703 E Russell	58	86,615	39.288	Classic Cartage
525	GLC15141	6/808	16-May-13	26090 23 Mile Rd	Alcoa Massena East	SOW	16-May-13	50703 E Russell	64	86,821	39.381	Classic Cartage
526	GLC15142	093/9941AB	16-May-13	26090 23 Mile Rd	Alcoa Massena East	SOW	16-May-13	50703 E Russell	65	87,912	39.876	Classic Cartage
527	GLC15143	6/808	16-May-13	26090 23 Mile Rd	Alcoa Massena East	SOW	16-May-13	50703 E Russell	64	87,034	39.478	Classic Cartage
528	GLC15144	093/9914AB	16-May-13	26090 23 Mile Rd	Alcoa Massena East/Alcoa	SOW	16-May-13	50703 E Russell	63	87,035	39.478	Classic Cartage
529	GLC15145	6/808	16-May-13	26090 23 Mile Rd	Alcoa	SOW	16-May-13	50703 E Russell	62	87,459	39.671	Classic Cartage
530	GLC15146	093/9914AB	16-May-13	26090 23 Mile Rd	Alcoa	SOW	16-May-13	50703 E Russell	61	87,955	39.896	Classic Cartage
531	GLC15147	6/808	16-May-13	26090 23 Mile Rd	Alcoa	SOW	16-May-13	50703 E Russell	61	86,667	39.312	Classic Cartage
532	GLC15571	711/2138	16-May-13	151 Lafayette	Alcan	SOW	16-May-13	26090 23 Mile Rd	54	87,671	39.767	ALGER
533	GLC15572	711/2138	16-May-13	151 Lafayette	Alcan	SOW	16-May-13	26090 23 Mile Rd	54	87,851	39.849	ALGER
534	GLC15573	711/2138	16-May-13	151 Lafayette	Alcan	SOW	16-May-13	26090 23 Mile Rd	55	86,648	39.303	ALGER
535	GLC15574	711/2138	16-May-13	151 Lafayette	Alcan	SOW	16-May-13	26090 23 Mile Rd	59	86,650	39.304	ALGER
536	GLC15575	9934/2144	16-May-13	151 Lafayette	Alcan	SOW	16-May-13	26090 23 Mile Rd	66	87,027	39.475	ALGER
537	GLC15576	9934/2144	16-May-13	151 Lafayette	Alcan	SOW	16-May-13	26090 23 Mile Rd	60	86,862	39.400	ALGER
538	GLC15577	14/2137A	16-May-13	151 Lafayette	Alma/Alcan	SOW	16-May-13	26090 23 Mile Rd	62	87,830	39.839	ALGER
539	GLC15578	78/2147A	16-May-13	151 Lafayette	Alma/Alcan	SOW	16-May-13	26090 23 Mile Rd	63	87,262	39.581	ALGER
540	GLC15579	111/2137A	16-May-13	151 Lafayette	Alcan/Alma	SOW	16-May-13	26090 23 Mile Rd	62	87,564	39.718	ALGER

	M	N	O
496	111	$200.00	$200.00
497	14317-01	$235.00	$235.00
498	14318-01	$235.00	$235.00
499	14319-01	$235.00	$235.00
500	14320-01	$235.00	$235.00
501	14321-01	$235.00	$235.00
502	14462-01	$225.00	$225.00
503	14463-01	$225.00	$225.00
504	14464-01	$225.00	$225.00
505	14465-01	$225.00	$225.00
506	14466-01	$225.00	$225.00
507	111	$240.00	$240.00
508	113	$240.00	$240.00
509	113	$240.00	$240.00
510	113	$240.00	$240.00
511	111	$240.00	$240.00
512	111	$200.00	$200.00
513	111	$200.00	$200.00
514	111	$200.00	$200.00
515	111	$200.00	$200.00
516	111	$200.00	$200.00
517	111	$200.00	$200.00
518	111	$200.00	$200.00
519	111	$200.00	$200.00
520	123	$200.00	$200.00
521	111	$200.00	$200.00
522	111	$200.00	$200.00
523	111	$200.00	$200.00
524	111	$200.00	$200.00
525	111	$200.00	$200.00
526	111	$200.00	$200.00
527	111	$200.00	$200.00
528	111	$200.00	$200.00
529	111	$200.00	$200.00
530	111	$200.00	$200.00
531	111	$200.00	$200.00
532	15571-01	$225.00	$225.00
533	15572-01	$225.00	$225.00
534	15573-01	$225.00	$225.00
535	15574-01	$225.00	$225.00
536	15575-01	$225.00	$225.00
537	15576-01	$225.00	$225.00
538	15577-01	$225.00	$225.00
539	15578-01	$225.00	$225.00
540	15579-01	$225.00	$225.00

	A	B	C	D	E	F	G	H	I	J	K	L
541	GLC15580	9934/2144	16-May-13	151 Lafayette	Alma/Alcan	SOW	16-May-13	26090 23 Mile Rd	58	87,681	39.771	ALGER
542	GLC15581	111/2137A	16-May-13	151 Lafayette	Alcan	SOW	16-May-13	26090 23 Mile Rd	57	87,028	39.475	ALGER
543	GLC15582	78/2147A	16-May-13	151 Lafayette	Alcan	SOW	16-May-13	26090 23 Mile Rd	56	86,525	39.247	ALGER
544	GLC15583	711/2138	16-May-13	151 Lafayette	Alcan	SOW	16-May-13	26090 23 Mile Rd	57	87,485	39.683	ALGER
545	GLC15584	9934/2144	16-May-13	151 Lafayette	Alcan	SOW	16-May-13	26090 23 Mile Rd	57	87,451	39.667	ALGER
546	GLC15585	634/2139A	16-May-13	151 Lafayette	Alcan	SOW	16-May-13	26090 23 Mile Rd	54	86,968	39.448	ALGER
547	GLC15586	9934/2144	16-May-13	151 Lafayette	Alcan	SOW	16-May-13	26090 23 Mile Rd	54	87,256	39.579	ALGER
548	GLC15587	634/2139A	16-May-13	151 Lafayette	Alcan	SOW	16-May-13	26090 23 Mile Rd	55	86,763	39.355	ALGER
549	GLC13642	95/17A	17-May-13	20495 Pennsylvania	Abcq	TBAR	17-May-13	17423 West Jefferson	59	86,558	39.262	ALGER
550	GLC13643	111/2137A	17-May-13	20495 Pennsylvania	Abcq	TBAR	17-May-13	17423 West Jefferson	61	87,891	39.867	ALGER
551	GLC13644	7982/2141A	17-May-13	20495 Pennsylvania	Abcq	TBAR	17-May-13	17423 West Jefferson	62	87,340	39.617	ALGER
552	GLC13645	95/17A	17-May-13	20495 Pennsylvania	Abcq	TBAR	17-May-13	17423 West Jefferson	62	87,839	39.843	ALGER
553	GLC13646	111/2137A	17-May-13	20495 Pennsylvania	Abcq	TBAR	17-May-13	17423 West Jefferson	60	87,086	39.502	ALGER
554	GLC13647	7982/2141A	17-May-13	20495 Pennsylvania	Abcq	TBAR	17-May-13	17423 West Jefferson	61	86,570	39.268	ALGER
555	GLC13648	95/17A	17-May-13	20495 Pennsylvania	Abcq	TBAR	17-May-13	17423 West Jefferson	61	87,103	39.509	ALGER
556	GLC13649	7982/2141A	17-May-13	20495 Pennsylvania	Abcq	TBAR	17-May-13	17423 West Jefferson	59	86,555	39.261	ALGER
557	GLC13650	95/17A	17-May-13	20495 Pennsylvania	Abcq	TBAR	17-May-13	17423 West Jefferson	59	87,586	39.728	ALGER
558	GLC13784	520/611A/611B	17-May-13	8650 Mt. Elliott	Alouette	SOW	17-May-13	1200 E. McNichols	56	87,398	39.643	Classic Cartage
559	GLC13785	924/924A	17-May-13	8650 Mt. Elliott	Alouette	SOW	17-May-13	1200 E. McNichols	55	86,897	39.416	Classic Cartage
560	GLC13786	4/4B	17-May-13	8650 Mt. Elliott	Alouette	SOW	17-May-13	1200 E. McNichols	56	87,591	39.731	Classic Cartage
561	GLC13787	520/611AB	17-May-13	8650 Mt. Elliott	Alouette	SOW	17-May-13	1200 E. McNichols	56	86,452	39.214	Classic Cartage
562	GLC13788	611/AB/520	17-May-13	8650 Mt. Elliott	Alouette	SOW	17-May-13	1200 E. McNichols	55	86,961	39.445	Classic Cartage
563	GLC13789	924/924A	17-May-13	8650 Mt. Elliott	Alouette/ABI	SOW/TBAR	17-May-13	1200 E. McNichols	56	86,573	39.269	Classic Cartage
564	GLC13790	4/4B	17-May-13	8650 Mt. Elliott	Abi	TBAR	17-May-13	1200 E. McNichols	60	87,273	39.586	Classic Cartage
565	GLC14095	247/610	17-May-13	2599 22nd St	Abcq/ME Alcoa/Alouette	TBAR/SOW	17-May-13	4815 Cabot	58	86,676	39.316	Classic Cartage
566	GLC14096	1569/204	17-May-13	2599 22nd St	ME Alcoa/Abcq	SOW/TBAR	17-May-13	4815 Cabot	57	87,400	39.644	Classic Cartage
567	GLC14097	96/403	17-May-13	2599 22nd St	Abcq	TBAR	17-May-13	4815 Cabot	55	87,839	39.843	Classic Cartage
568	GLC14098	15097/15097B	17-May-13	2599 22nd St	Abcq	TBAR	17-May-13	4815 Cabot	58	86,901	39.418	Classic Cartage
569	GLC14099	1569/204	17-May-13	2599 22nd St	Abcq	TBAR	17-May-13	4815 Cabot	57	86,672	39.314	Classic Cartage
570	GLC14100	96/403	17-May-13	2599 22nd St	Abcq	TBAR	17-May-13	4815 Cabot	55	87,828	39.838	Classic Cartage
571	GLC14101	97/610	17-May-13	2599 22nd St	Abcq	TBAR	17-May-13	4815 Cabot	55	86,950	39.440	Classic Cartage
572	GLC14102	15097/15097B	17-May-13	2599 22nd St	Abcq	TBAR	17-May-13	4815 Cabot	55	87,352	39.622	Classic Cartage
573	GLC14103	1569/204	17-May-13	2599 22nd St	Abcq	TBAR	17-May-13	4815 Cabot	55	87,050	39.485	Classic Cartage
574	GLC14104	97/610	17-May-13	2599 22nd St	Abcq	TBAR	17-May-13	4815 Cabot	55	86,627	39.293	Classic Cartage
575	GLC14105	1569/204	17-May-13	2599 22nd St	Abcq	TBAR	17-May-13	13542 Helen St	55	86,848	39.394	Classic Cartage
576	GLC14106	97/610	17-May-13	2599 22nd St	Abcq	TBAR	17-May-13	4815 Cabot	55	87,527	39.702	Classic Cartage
577	GLC14107	092/9942AB	17-May-13	2599 22nd St	Abcq	TBAR	17-May-13	4815 Cabot	55	86,772	39.359	Classic Cartage
578	GLC14108	96100/800	17-May-13	2599 22nd St	Abcq	TBAR	17-May-13	4815 Cabot	55	87,459	39.671	Classic Cartage
579	GLC14322	2149/2149A	17-May-13	12850 E. Nine Mile Rd	Alma/Alcan	SOW	17-May-13	151 Lafayette	61	87,578	39.725	ALGER
580	GLC14323	9934/2144	17-May-13	12850 E. Nine Mile Rd	Seb/Alma	SOW	17-May-13	151 Lafayette	61	86,968	39.448	
581	GLC14324	2149/2149A	17-May-13	12850 E. Nine Mile Rd	Seb/ME Alcoa	SOW	17-May-13	151 Lafayette	61	87,864	39.854	ALGER
582	GLC14325	634/2139A	17-May-13	12850 E. Nine Mile Rd	Alma/ME Alcoa	SOW	17-May-13	151 Lafayette	65	87,650	39.757	ALGER
583	GLC14326	35/35A	17-May-13	12850 E. Nine Mile Rd	Alma	SOW	17-May-13	151 Lafayette	61	86,894	39.415	ALGER
584	GLC14467	2140A	17-May-13	9450 Buffalo	Abcq/Abi/	TBAR	17-May-13	2599 22nd St	55	87,943	39.890	ALGER
585	GLC14468	2140A	17-May-13	9450 Buffalo	Abi	TBAR	17-May-13	2599 22nd St	54	87,770	39.812	ALGER

	M	N	O
541	15580-01	$225.00	$225.00
542	15581-01	$225.00	$225.00
543	15582-01	$225.00	$225.00
544	15583-01	$225.00	$225.00
545	15584-01	$225.00	$225.00
546	15585-01	$225.00	$225.00
547	15586-01	$225.00	$225.00
548	15587-01	$225.00	$225.00
549	13642-01	$215.00	$215.00
550	13643-01	$215.00	$215.00
551	13644-01	$215.00	$215.00
552	13645-01	$215.00	$215.00
553	13646-01	$215.00	$215.00
554	13647-01	$215.00	$215.00
555	13648-01	$215.00	$215.00
556	13649-01	$215.00	$215.00
557	13650-01	$215.00	$215.00
558	111	$200.00	$200.00
559	111	$200.00	$200.00
560	111	$200.00	$200.00
561	111	$200.00	$200.00
562	111	$200.00	$200.00
563	111	$200.00	$200.00
564	111	$200.00	$200.00
565	113	$200.00	$200.00
566	113	$200.00	$200.00
567	113	$200.00	$200.00
568	111	$200.00	$200.00
569	113	$200.00	$200.00
570	113	$200.00	$200.00
571	113	$200.00	$200.00
572	111	$200.00	$200.00
573	113	$200.00	$200.00
574	113	$200.00	$200.00
575	113	$200.00	$200.00
576	113	$200.00	$200.00
577	111	$200.00	$200.00
578	113	$200.00	$200.00
579	14322-01	$235.00	$235.00
580			
581	14324-01	$235.00	$235.00
582	14325-01	$235.00	$235.00
583	14326-01	$235.00	$235.00
584	14467-01	$225.00	$225.00
585	14468-01	$225.00	$225.00

	A	B	C	D	E	F	G	H	I	J	K	L
586	GLC14469	2140A	17-May-13	9450 Buffalo	Abi	TBAR	17-May-13	2599 22nd St	54	87,725	39.791	ALGER
587	GLC14470	2140A	17-May-13	9450 Buffalo	Abi	TBAR	17-May-13	2599 22nd St	54	86,930	39.431	ALGER
588	GLC14471	2140A	17-May-13	9450 Buffalo	Abi	TBAR	17-May-13	2599 22nd St	54	87,138	39.525	ALGER
589	GLC14552	80	17-May-13	17423 West Jefferson	Ormet	SOW	17-May-13	7900 Haggerty	60	87,598	39.734	Classic Cartage
590	GLC14553	95/17A	17-May-13	17423 West Jefferson	Ormet	SOW	17-May-13	7900 Haggerty	61	87,797	39.824	Classic Cartage
591	GLC14554	403	17-May-13	17423 West Jefferson	Ormet	SOW	17-May-13	7900 Haggerty	59	87,128	39.521	Classic Cartage
592	GLC14555	60	17-May-13	17423 West Jefferson	Ormet	SOW	17-May-13	7900 Haggerty	59	87,962	39.899	Classic Cartage
593	GLC14556	15097	17-May-13	17423 West Jefferson	Ormet/Alouette	SOW	17-May-13	7900 Haggerty	57	87,334	39.614	Classic Cartage
594	GLC14748	924/5428	17-May-13	1200 E. McNichols	Alcan	SOW	17-May-13	6490 Lynch	54	87,535	39.705	Classic Cartage
595	GLC14750	4/4B	17-May-13	1200 E. McNichols	Alcan	SOW	17-May-13	6490 Lynch	54	87,918	39.879	Classic Cartage
596	GLC14751	520/611AB	17-May-13	1200 E. McNichols	Alcan	SOW	17-May-13	6490 Lynch	62	87,982	39.908	Classic Cartage
597	GLC14754	4/4B	17-May-13	1200 E. McNichols	Alcan	SOW	17-May-13	6490 Lynch	59	87,200	39.553	Classic Cartage
598	GLC14755	520/611AB	17-May-13	1200 E. McNichols	Alcan	SOW	17-May-13	6490 Lynch	59	87,192	39.550	Classic Cartage
599	GLC14756	520/611A/611B	17-May-13	1200 E. McNichols	Alcan	SOW	17-May-13	6490 Lynch	63	87,568	39.720	Classic Cartage
600	GLC14757	520/611AB	17-May-13	1200 E. McNichols	Alcan	SOW	17-May-13	6490 Lynch	62	87,682	39.772	Classic Cartage
601	GLC14759	4/4B	17-May-13	1200 E. McNichols	Alcan	SOW	17-May-13	6490 Lynch	61	87,494	39.687	Classic Cartage
602	GLC14761	9241/5428	17-May-13	1200 E. McNichols	Alcan	SOW	17-May-13	6490 Lynch	64	87,210	39.558	Classic Cartage
603	GLC15148	6/808	17-May-13	26090 23 Mile Rd	Alcoa	SOW	17-May-13	50703 E Russell	61	86,871	39.404	Classic Cartage
604	GLC15149	6/808	17-May-13	26090 23 Mile Rd	Alcoa	SOW	17-May-13	50703 E Russell	61	86,968	39.448	Classic Cartage
605	GLC15150	6/808	17-May-13	26090 23 Mile Rd	Alcoa	SOW	17-May-13	50703 E Russell	62	87,940	39.889	Classic Cartage
606	GLC15151	6/808	17-May-13	26090 23 Mile Rd	Alcoa	SOW	17-May-13	50703 E Russell	61	86,983	39.455	Classic Cartage
607	GLC15152	093/9941AB	17-May-13	26090 23 Mile Rd	Alcoa	SOW	17-May-13	50703 E Russell	62	87,315	39.605	Classic Cartage
608	GLC15153	6/808	17-May-13	26090 23 Mile Rd	Alcoa	SOW	17-May-13	50703 E Russell	63	87,187	39.547	Classic Cartage
609	GLC15154	093/9941AB	17-May-13	26090 23 Mile Rd	Alcoa	SOW	17-May-13	50703 E Russell	64	87,483	39.682	Classic Cartage
610	GLC15155	093/9941AB	17-May-13	26090 23 Mile Rd	Alcoa	SOW	17-May-13	50703 E Russell	66	87,092	39.504	Classic Cartage
611	GLC15156	093/9941AB	17-May-13	26090 23 Mile Rd	Alcoa	SOW	17-May-13	50703 E Russell	65	87,824	39.836	Classic Cartage
612	GLC15157	093/9941AB	17-May-13	26090 23 Mile Rd	Alcoa	SOW	17-May-13	50703 E Russell	65	87,392	39.640	Classic Cartage
613	GLC15588	9934/2144	17-May-13	151 Lafayette	Alcan	SOW	17-May-13	26090 23 Mile Rd	57	86,913	39.423	ALGER
614	GLC15589	9934/2144	17-May-13	151 Lafayette	Alcan	SOW	17-May-13	26090 23 Mile Rd	59	87,497	39.688	ALGER
615	GLC15590	634/2139A	17-May-13	151 Lafayette	Alcan	SOW	17-May-13	26090 23 Mile Rd	59	87,619	39.743	ALGER
616	GLC15591	2149/2149A	17-May-13	151 Lafayette	Alcoa Massena East/Alcan	SOW	17-May-13	26090 23 Mile Rd	62	87,276	39.588	ALGER
617	GLC15592	9934/2144	17-May-13	151 Lafayette	Alcoa Massena East	SOW	17-May-13	26090 23 Mile Rd	65	86,903	39.419	ALGER
618	GLC15593	35/35A	17-May-13	151 Lafayette	Alcoa Massena East	SOW	17-May-13	26090 23 Mile Rd	65	87,412	39.649	ALGER
619	GLC15594	2149/2149A	17-May-13	151 Lafayette	Alcoa Massena East	SOW	17-May-13	26090 23 Mile Rd	64	87,914	39.877	ALGER
620	GLC15595	634/2139A	17-May-13	151 Lafayette	Alcoa Massena East	SOW	17-May-13	26090 23 Mile Rd	65	87,502	39.690	ALGER
621	GLC15596	35/35A	17-May-13	151 Lafayette	Alcoa Massena East	SOW	17-May-13	26090 23 Mile Rd	65	87,716	39.787	ALGER
622	GLC15597	35/35A	17-May-13	151 Lafayette	Alcoa Massena East	SOW	17-May-13	26090 23 Mile Rd	64	86,909	39.421	ALGER
623	GLC13651	95/17A	20-May-13	20495 Pennsylvania	Abcq	TBAR	20-May-13	17423 West Jefferson	60	87,097	39.507	ALGER
624	GLC13652	7982/2141A	20-May-13	20495 Pennsylvania	Abcq	TBAR	20-May-13	17423 West Jefferson	59	86,680	39.317	ALGER
625	GLC13653	95/17A	20-May-13	20495 Pennsylvania	Abcq	TBAR	20-May-13	17423 West Jefferson	55	86,941	39.436	ALGER
626	GLC13654	111/2137A	20-May-13	20495 Pennsylvania	Abcq	TBAR	20-May-13	17423 West Jefferson	55	87,132	39.522	ALGER
627	GLC13655	7982/2141A	20-May-13	20495 Pennsylvania	Abcq	TBAR	20-May-13	17423 West Jefferson	55	86,961	39.445	ALGER
628	GLC13656	95/17A	20-May-13	20495 Pennsylvania	Abcq	TBAR	20-May-13	17423 West Jefferson	55	86,930	39.431	ALGER
629	GLC13657	111/2137A	20-May-13	20495 Pennsylvania	Abcq/Alouette	SOW/TBAR	20-May-13	17423 West Jefferson	55	87,042	39.482	ALGER
630	GLC13658	7892/2141A	20-May-13	20495 Pennsylvania	Alouette	SOW	20-May-13	17423 West Jefferson	55	86,940	39.435	ALGER

	M	N	O
586	14469-01	$225.00	$225.00
587	14470-01	$225.00	$225.00
588	14471-01	$225.00	$225.00
589	111	$240.00	$240.00
590	111	$240.00	$240.00
591	113	$240.00	$240.00
592	111	$240.00	$240.00
593	111	$240.00	$240.00
594	111	$200.00	$200.00
595	111	$200.00	$200.00
596	111	$200.00	$200.00
597	111	$200.00	$200.00
598	111	$200.00	$200.00
599	111	$200.00	$200.00
600	111	$200.00	$200.00
601	111	$200.00	$200.00
602	111	$200.00	$200.00
603	111	$200.00	$200.00
604	111	$200.00	$200.00
605	111	$200.00	$200.00
606	111	$200.00	$200.00
607	111	$200.00	$200.00
608	111	$200.00	$200.00
609	111	$200.00	$200.00
610	111	$200.00	$200.00
611	111	$200.00	$200.00
612	111	$200.00	$200.00
613	15588-01	$260.00	$260.00
614	15589-01	$260.00	$260.00
615	15590-01	$260.00	$260.00
616	15591-01	$260.00	$260.00
617	15592-01	$260.00	$260.00
618	15593-01	$260.00	$260.00
619	15594-01	$260.00	$260.00
620	15595-01	$260.00	$260.00
621	15596-01	$260.00	$260.00
622	15597-01	$260.00	$260.00
623	13651-01	$215.00	$215.00
624	13652-01	$215.00	$215.00
625	13653-01	$215.00	$215.00
626	13654-01	$215.00	$215.00
627	13655-01	$215.00	$215.00
628	13656-01	$215.00	$215.00
629	13657-01	$215.00	$215.00
630	13658-01	$215.00	$215.00

	A	B	C	D	E	F	G	H	I	J	K	L
631	GLC13791	4/4B	20-May-13	8650 Mt. Elliott	Abi	TBAR	20-May-13	1200 E. McNichols	56	87,265	39.583	Classic Cartage
632	GLC13792	093/9941AB	20-May-13	8650 Mt. Elliott	Abi/Alouette/Ormet	TBAR/SOW	20-May-13	1200 E. McNichols	57	86,766	39.356	Classic Cartage
633	GLC13793	15097/15097B	20-May-13	8650 Mt. Elliott	Ormet	SOW	20-May-13	1200 E. McNichols	60	87,049	39.485	Classic Cartage
634	GLC13794	520/611A/611B	20-May-13	8650 Mt. Elliott	Ormet	SOW	20-May-13	1200 E. McNichols	60	86,638	39.298	Classic Cartage
635	GLC13795	4/4B	20-May-13	8650 Mt. Elliott	Ormet	SOW	20-May-13	1200 E. McNichols	59	87,026	39.474	Classic Cartage
636	GLC13796	093/9941AB	20-May-13	8650 Mt. Elliott	Ormet	SOW	20-May-13	1200 E. McNichols	59	86,526	39.248	Classic Cartage
637	GLC13797	108/808	20-May-13	8650 Mt. Elliott	Alouette/Ormet	SOW	20-May-13	1200 E. McNichols	56	87,374	39.632	Classic Cartage
638	GLC13798	924/5428	20-May-13	8650 Mt. Elliott	Alouette	SOW	20-May-13	1200 E. McNichols	55	86,860	39.399	Classic Cartage
639	GLC14109	97/610	20-May-13	2599 22nd St	Acbq	TBAR	20-May-13	4815 Cabot	55	87,059	39.489	Classic Cartage
640	GLC14110	1569/204	20-May-13	2599 22nd St	Abcq	TBAR	20-May-13	4815 Cabot	55	86,487	39.230	Classic Cartage
641	GLC14111	96100/500	20-May-13	2599 22nd St	Abcq	TBAR	20-May-13	4815 Cabot	55	86,475	39.224	Classic Cartage
642	GLC14112	97/610	20-May-13	2599 22nd St	Abcq	TBAR	20-May-13	4815 Cabot	55	86,722	39.336	Classic Cartage
643	GLC14113	1569/204	20-May-13	2599 22nd St	ME Alcoa/Abcq	SOW/TBAR	20-May-13	4815 Cabot	61	86,901	39.418	Classic Cartage
644	GLC14114	376/502	20-May-13	2599 22nd St	Me Alcoa	SOW	20-May-13	4815 Cabot	64	87,213	39.559	Classic Cartage
645	GLC14115	97/77B	20-May-13	2599 22nd St	ME Alcoa	SOW	20-May-13	4815 Cabot	67	87,394	39.641	Classic Cartage
646	GLC14116	96100/800	20-May-13	2599 22nd St	ME Alcoa/Alouette	SOW/ING	20-May-13	4815 Cabot	55	86,679	39.317	Classic Cartage
647	GLC14117	1569/204	20-May-13	2599 22nd St	Abcq/Alouette	TBAR/ING	20-May-13	4815 Cabot	49	86,517	39.243	Classic Cartage
648	GLC14118	97/610	20-May-13	2599 22nd St	Abcq	TBAR	20-May-13	4815 Cabot	55	86,582	39.273	Classic Cartage
649	GLC14119	376/502	20-May-13	2599 22nd St	Abcq	TBAR	20-May-13	4815 Cabot	56	87,625	39.746	Classic Cartage
650	GLC14120	97/77B	20-May-13	2599 22nd St	Abcq	TBAR	20-May-13	4815 Cabot	57	86,635	39.297	Classic Cartage
651	GLC14121	96/403	20-May-13	2599 22nd St	Abcq	TBAR	20-May-13	4815 Cabot	55	87,454	39.669	Classic Cartage
652	GLC14122	96100/800	20-May-13	2599 22nd St	Abcq	TBAR	20-May-13	4815 Cabot	58	86,930	39.431	Classic Cartage
653	GLC14123	1569/204	20-May-13	2599 22nd St	Abcq	TBAR	20-May-13	4815 Cabot	39	61,593	27.938	Classic Cartage
654	GLC14327	711/2138A	20-May-13	12850 E. Nine Mile Rd	Alma	SOW	20-May-13	151 Lafayette	64	86,836	39.388	ALGER
655	GLC14328	9934/2144	20-May-13	12850 E. Nine Mile Rd	Alma	SOW	20-May-13	151 Lafayette	62	87,129	39.521	ALGER
656	GLC14329	2149/2149A	20-May-13	12850 E. Nine Mile Rd	Alma/Sha	SOW	20-May-13	151 Lafayette	60	87,761	39.808	ALGER
657	GLC14330	634	20-May-13	12850 E. Nine Mile Rd	Sha	SOW	20-May-13	151 Lafayette	53	87,244	39.573	ALGER
658	GLC14331	35/35A	20-May-13	12850 E. Nine Mile Rd	Ormet/Sha	SOW	20-May-13	151 Lafayette	60	86,755	39.351	ALGER
659	GLC14472	2140A	20-May-13	9450 Buffalo	Abi/Alcan	TBAR	20-May-13	2599 22nd St	54	86,713	39.332	ALGER
660	GLC14473	2140A	20-May-13	9450 Buffalo	Alcan	TBAR	20-May-13	2599 22nd St	57	86,659	39.308	ALGER
661	GLC14474	2140A	20-May-13	9450 Buffalo	Alcan	TBAR	20-May-13	2599 22nd St	57	86,968	39.448	ALGER
662	GLC14475	2140A	20-May-13	9450 Buffalo	Alcan	TBAR	20-May-13	2599 22nd St	57	87,013	39.468	ALGER
663	GLC14476	2140A	20-May-13	9450 Buffalo	Alcan	TBAR	20-May-13	2599 22nd St	54	86,868	39.403	ALGER
664	GLC14557	80	20-May-13	17423 West Jefferson	Ormet/Alouette	SOW	20-May-13	7900 Haggerty	59	87,725	39.791	Classic Cartage
665	GLC14558	403	20-May-13	17423 West Jefferson	Ormet	SOW	20-May-13	7900 Haggerty	60	86,543	39.255	Classic Cartage
666	GLC14559	5428	20-May-13	17423 West Jefferson	Ormet/Alcan	SOW	20-May-13	7900 Haggerty	58	86,893	39.414	Classic Cartage
667	GLC14560	095/17A	20-May-13	17423 West Jefferson	Alcan	SOW	20-May-13	7900 Haggerty	58	86,942	39.436	Classic Cartage
668	GLC14561	80	20-May-13	17423 West Jefferson	Alcan	SOW	20-May-13	7900 Haggerty	59	87,098	39.507	Classic Cartage
669	GLC14762	4/4B	20-May-13	1200 E. McNichols	Alcan	SOW	20-May-13	6490 Lynch	66	87,704	39.782	Classic Cartage
670	GLC14763	108/808	20-May-13	1200 E. McNichols	Alcan	SOW	20-May-13	6490 Lynch	58	87,126	39.520	Classic Cartage
671	GLC14764	093/9941AB	20-May-13	1200 E. McNichols	Alcan	SOW	20-May-13	6490 Lynch	52	86,885	39.410	Classic Cartage
672	GLC14765	4/4B	20-May-13	1200 E. McNichols	Alcan	SOW	20-May-13	6490 Lynch	53	87,003	39.464	Classic Cartage
673	GLC14766	520/611AB	20-May-13	1200 E. McNichols	Alcan	SOW	20-May-13	6490 Lynch	54	87,154	39.532	Classic Cartage
674	GLC14767	15097A/15097B	20-May-13	1200 E. McNichols	Alcan	SOW	20-May-13	6490 Lynch	61	87,065	39.492	Classic Cartage
675	GLC14768	093/9941A/B	20-May-13	1200 E. McNichols	Alcan	SOW	20-May-13	6490 Lynch	63	87,325	39.610	Classic Cartage

	M	N	O
631	112	$200.00	$200.00
632	112	$200.00	$200.00
633	112	$200.00	$200.00
634	112	$200.00	$200.00
635	112	$200.00	$200.00
636	112	$200.00	$200.00
637	112	$200.00	$200.00
638	112	$200.00	$200.00
639	119	$200.00	$200.00
640	119	$200.00	$200.00
641	119	$200.00	$200.00
642	119	$200.00	$200.00
643	119	$200.00	$200.00
644	119	$200.00	$200.00
645	119	$200.00	$200.00
646	119	$200.00	$200.00
647	119	$200.00	$200.00
648	119	$200.00	$200.00
649	119	$200.00	$200.00
650	119	$200.00	$200.00
651	119	$200.00	$200.00
652	119	$200.00	$200.00
653	119	$200.00	$200.00
654	14327-01	$235.00	$235.00
655	14328-01	$235.00	$235.00
656	14329-01	$235.00	$235.00
657	14330-01	$235.00	$235.00
658	14331-01	$235.00	$235.00
659	14472-01	$225.00	$225.00
660	14473-01	$225.00	$225.00
661	14474-01	$225.00	$225.00
662	14475-01	$225.00	$225.00
663	14476-01	$225.00	$225.00
664	112	$240.00	$240.00
665	119	$240.00	$240.00
666	112	$240.00	$240.00
667	112	$240.00	$240.00
668	112	$240.00	$240.00
669	111	$200.00	$200.00
670	112	$200.00	$200.00
671	112	$200.00	$200.00
672	112	$200.00	$200.00
673	112	$200.00	$200.00
674	112	$200.00	$200.00
675	112	$200.00	$200.00

	A	B	C	D	E	F	G	H	I	J	K	L
676	GLC14769	108/808	20-May-13	1200 E. McNichols	Alcan	SOW	20-May-13	6490 Lynch	65	87,800	39.825	Classic Cartage
677	GLC14770	093/9941AB	20-May-13	1200 E. McNichols	Alcan	SOW	20-May-13	6490 Lynch	67	87,691	39.776	Classic Cartage
678	GLC14771	04/04B	20-May-13	1200 E. McNichols	Alcan	SOW	20-May-13	6490 Lynch	64	87,958	39.897	Classic Cartage
679	GLC14772	04/04B	20-May-13	1200 E. McNichols	Alcan	SOW	20-May-13	6490 Lynch	59	87,281	39.590	Classic Cartage
680	GLC15158	520/611AB	20-May-13	26090 23 Mile Rd	ME Alcoa	SOW	20-May-13	50703 E Russell	64	87,590	39.730	Classic Cartage
681	GLC15159	520/611AB	20-May-13	26090 23 Mile Rd	ME Alcoa	SOW	20-May-13	50703 E Russell	64	86,637	39.298	Classic Cartage
682	GLC15160	520/611AB	20-May-13	26090 23 Mile Rd	ME Alcoa	SOW	20-May-13	50703 E Russell	63	87,246	39.574	Classic Cartage
683	GLC15161	6/806	20-May-13	26090 23 Mile Rd	ME Alcoa	SOW	20-May-13	50703 E Russell	63	87,117	39.516	Classic Cartage
684	GLC15162	520/611AB	20-May-13	26090 23 Mile Rd	ME Alcoa	SOW	20-May-13	50703 E Russell	63	87,815	39.832	Classic Cartage
685	GLC15163	6/806	20-May-13	26090 23 Mile Rd	ME Alcoa	SOW	20-May-13	50703 E Russell	63	87,399	39.644	Classic Cartage
686	GLC15164	520/611AB	20-May-13	26090 23 Mile Rd	ME Alcoa	SOW	20-May-13	50703 E Russell	65	87,925	39.882	Classic Cartage
687	GLC15165	6/806	20-May-13	26090 23 Mile Rd	ME Alcoa	SOW	20-May-13	50703 E Russell	65	87,134	39.523	Classic Cartage
688	GLC15166	6/806	20-May-13	26090 23 Mile Rd	ME Alcoa	SOW	20-May-13	50703 E Russell	68	87,870	39.857	Classic Cartage
689	GLC15167	6/806	20-May-13	26090 23 Mile Rd	Ormet/ME Alcoa	SOW	20-May-13	50703 E Russell	60	86,976	39.452	Classic Cartage
690	GLC15598	9934/2144	20-May-13	151 Lafayette	Alcoa Massena East	SOW	20-May-13	26090 23 Mile Rd	64	87,759	39.807	ALGER
691	GLC15599	711/2138	20-May-13	151 Lafayette	Alcoa Massena East/Alouette	SOW	20-May-13	26090 23 Mile Rd	60	86,425	39.202	ALGER
692	GLC15600	35/35A	20-May-13	151 Lafayette	Alouette	SOW	20-May-13	26090 23 Mile Rd	55	86,563	39.264	ALGER
693	GLC15601	2149/2149A	20-May-13	151 Lafayette	Alouette	SOW	20-May-13	26090 23 Mile Rd	56	87,217	39.561	ALGER
694	GLC15602	9934/2144	20-May-13	151 Lafayette	Alouette	SOW	20-May-13	26090 23 Mile Rd	55	86,371	39.177	ALGER
695	GLC15603	711/2138	20-May-13	151 Lafayette	Alouette	SOW	20-May-13	26090 23 Mile Rd	55	86,758	39.353	ALGER
696	GLC15604LTL	634/2139A	20-May-13	151 Lafayette	Alouette	SOW	20-May-13	26090 23 Mile Rd	7	10,885	4.937	ALGER
697	GLC15621	634/2139A	20-May-13	151 Lafayette	Sha	SOW	20-May-13	1200 E. McNichols	54	87,847	39.847	ALGER
698	GLC15622	35/35A	20-May-13	151 Lafayette	Sha	SOW	20-May-13	1200 E. McNichols	54	87,809	39.830	ALGER
699	GLC15623	111/2137A	20-May-13	151 Lafayette	Sha	SOW	20-May-13	1200 E. McNichols	53	86,555	39.261	ALGER
700	GLC13659	7982/2141A	21-May-13	20495 Pennsylvania	Alouette	SOW	21-May-13	17423 West Jefferson	55	87,643	39.754	ALGER
701	GLC13660	111/2137A	21-May-13	20495 Pennsylvania	Alouette	SOW	21-May-13	17423 West Jefferson	55	87,351	39.622	ALGER
702	GLC13661	17A/95	21-May-13	20495 Pennsylvania	Alouette	SOW	21-May-13	17423 West Jefferson	54	86,703	39.328	ALGER
703	GLC13662	78/2147A	21-May-13	20495 Pennsylvania	Alouette	SOW	21-May-13	17423 West Jefferson	55	86,485	39.229	ALGER
704	GLC13663	7982/2141	21-May-13	20495 Pennsylvania	Alouette	SOW	21-May-13	17423 West Jefferson	55	86,712	39.332	ALGER
705	GLC13664	111/2137A	21-May-13	20495 Pennsylvania	Alouette	SOW	21-May-13	17423 West Jefferson	55	87,085	39.501	ALGER
706	GLC13665	95/17A	21-May-13	20495 Pennsylvania	Alouette	SOW	21-May-13	17423 West Jefferson	55	86,828	39.385	ALGER
707	GLC13666	35/35A	21-May-13	20495 Pennsylvania	Alouette	SOW	21-May-13	17423 West Jefferson	55	86,584	39.274	ALGER
708	GLC13717	35/35A	21-May-13	7900 N. Haggerty	Abcq	TBAR	21-May-13	20495 Pennsylvania	55	86,573	39.269	ALGER
709	GLC13718	535/200	21-May-13	7900 N. Haggerty	Abcq	TBAR	21-May-13	20495 Pennsylvania	55	86,459	39.217	ALGER
710	GLC13719	1004/1024A/B	21-May-13	7900 N. Haggerty	Abcq	TBAR	21-May-13	20495 Pennsylvania	55	86,636	39.297	ALGER
711	GLC13720	35/35A	21-May-13	7900 N. Haggerty	Abcq	TBAR	21-May-13	20495 Pennsylvania	56	87,922	39.881	ALGER
712	GLC13721	535/200	21-May-13	7900 N. Haggerty	Abcq	TBAR	21-May-13	20495 Pennsylvania	55	86,460	39.218	ALGER
713	GLC13722	35/35A	21-May-13	7900 N. Haggerty	Abcq	TBAR	21-May-13	20495 Pennsylvania	55	86,612	39.287	ALGER
714	GLC13723	535/200	21-May-13	7900 N. Haggerty	Abcq	TBAR	21-May-13	20495 Pennsylvania	55	86,505	39.238	ALGER
715	GLC13799	924/5428	21-May-13	6650 Mt. Elliott	Alouette	SOW	21-May-13	1200 E. McNichols	55	86,549	39.258	Classic Cartage
716	GLC13800	093/9941AB	21-May-13	6650 Mt. Elliott	Alouette/Ormet	SOW	21-May-13	1200 E. McNichols	56	86,544	39.256	Classic Cartage
717	GLC13801	4/4B	21-May-13	6650 Mt. Elliott	Ormet	SOW	21-May-13	1200 E. McNichols	59	86,567	39.266	Classic Cartage
718	GLC13802	093/9941AB	21-May-13	6650 Mt. Elliott	Ormet	SOW	21-May-13	1200 E. McNichols	61	87,266	39.583	Classic Cartage
719	GLC13803	97/610	21-May-13	6650 Mt. Elliott	Ormet	SOW	21-May-13	1200 E. McNichols	60	87,750	39.803	Classic Cartage
720	GLC13804	97/10	21-May-13	6650 Mt. Elliott	Ormet	SOW	21-May-13	1200 E. McNichols	60	86,685	39.320	Classic Cartage

	M	N	O
676	112	$200.00	$200.00
677	112	$200.00	$200.00
678	112	$200.00	$200.00
679	112	$200.00	$200.00
680	112	$200.00	$200.00
681	112	$200.00	$200.00
682	112	$200.00	$200.00
683	112	$200.00	$200.00
684	112	$200.00	$200.00
685	112	$200.00	$200.00
686	112	$200.00	$200.00
687	112	$200.00	$200.00
688	112	$200.00	$200.00
689	112	$200.00	$200.00
690	15598-01	$225.00	$225.00
691	15599-01	$260.00	$260.00
692	15600-01	$260.00	$260.00
693	15601-01	$260.00	$260.00
694	15602-01	$260.00	$260.00
695	15603-01	$260.00	$260.00
696	15604-01	$260.00	$260.00
697	15621-01	$260.00	$260.00
698	15622-01	$260.00	$260.00
699	15623-01	$260.00	$260.00
700	13659-01	$215.00	$215.00
701	13660-01	$215.00	$215.00
702	13661-01	$215.00	$215.00
703	13662-01	$215.00	$215.00
704	13663-01	$215.00	$215.00
705	13664-01	$215.00	$215.00
706	13665-01	$215.00	$215.00
707	13666-01	$215.00	$215.00
708	13717-01	$260.00	$260.00
709	13718-01	$260.00	$260.00
710	13719-01	$260.00	$260.00
711	13720-01	$260.00	$260.00
712	13721-01	$260.00	$260.00
713	13722-01	$260.00	$260.00
714	13723-01	$260.00	$260.00
715	112	$200.00	$200.00
716	112	$200.00	$200.00
717	112	$200.00	$200.00
718	112	$200.00	$200.00
719	119	$200.00	$200.00
720	119	$200.00	$200.00

	A	B	C	D	E	F	G	H	I	J	K	L
721	GLC13805	924/5428	21-May-13	8650 Mt. Elliott	Ormet	SOW	21-May-13	1200 E. McNichols	60	87,464	39.673	Classic Cartage
722	GLC13806	4/4B	21-May-13	8650 Mt. Elliott	Ormet	SOW	21-May-13	1200 E. McNichols	59	87,332	39.613	Classic Cartage
723	GLC13879	111/2137A	21-May-13	1725 Cicotte Ave.	Alcan	SOW	21-May-13	20495 Pennsylvania	66	87,623	39.745	ALGER
724	GLC13880	111/2137A	21-May-13	1725 Cicotte Ave.	Alca/Alma	SOW	21-May-13	20495 Pennsylvania	65	87,883	39.863	ALGER
725	GLC13881	78/2147A	21-May-13	1725 Cicotte Ave.	Alcoa Massena East/Alma	SOW	21-May-13	20495 Pennsylvania	65	87,313	39.605	ALGER
726	GLC13882	78/2147A	21-May-13	1725 Cicotte Ave.	Alcoa Massena East/Ormet/Alouette	SOW	21-May-13	20495 Pennsylvania	58	87,440	39.662	ALGER
727	GLC13883	095/17A	21-May-13	1725 Cicotte Ave.	Ormet	SOW	21-May-13	20495 Pennsylvania	59	87,819	39.834	ALGER
728	GLC13884	2133/111-112	21-May-13	1725 Cicotte Ave.	Ormet	SOW	21-May-13	20495 Pennsylvania	60	87,956	39.896	ALGER
729	GLC13885	7982/1241	21-May-13	1725 Cicotte Ave.	Ormet/Alcan	SOW	21-May-13	20495 Pennsylvania	59	86,887	39.411	ALGER
730	GLC14332	2149/2133A	21-May-13	12850 E. Nine Mile Rd	Ormet/Sha	SOW	21-May-13	151 Lafayette	62	87,902	39.872	ALGER
731	GLC14333	634/2139A	21-May-13	12850 E. Nine Mile Rd	Sha	SOW	21-May-13	151 Lafayette	54	87,648	39.757	ALGER
732	GLC14334	634/2139A	21-May-13	12850 E. Nine Mile Rd	Ormet/Sha	SOW	21-May-13	151 Lafayette	60	87,626	39.747	ALGER
733	GLC14335	2144/9934	21-May-13	12850 E. Nine Mile Rd	Ormet/Alcan	SOW	21-May-13	151 Lafayette	58	87,417	39.652	ALGER
734	GLC14336	711/2138A	21-May-13	12850 E. Nine Mile Rd	Alcan/Abcq	SOW/TBAR	21-May-13	151 Lafayette	53	86,931	39.431	ALGER
735	GLC14337LTL	2149/2133A	21-May-13	12850 E. Nine Mile Rd	Abcq	TBAR	21-May-13	151 Lafayette	21	33,097	15.013	ALGER
736	GLC14477	2140A	21-May-13	9450 Buffalo	Alcan	TBAR	21-May-13	2599 22nd St	58	87,875	39.859	ALGER
737	GLC14478	2140A	21-May-13	9450 Buffalo	Alcan	TBAR	21-May-13	2599 22nd St	58	87,889	39.866	ALGER
738	GLC14479	2140A	21-May-13	9450 Buffalo	Alcan	TBAR	21-May-13	2599 22nd St	54	86,820	39.381	ALGER
739	GLC14480	2140A	21-May-13	9450 Buffalo	Alcan	TBAR	21-May-13	2599 22nd St	58	87,832	39.840	ALGER
740	GLC14481	2140A	21-May-13	9450 Buffalo	Alcan	TBAR	21-May-13	2599 22nd St	56	87,883	39.863	ALGER
741	GLC14562	80	21-May-13	17423 West Jefferson	Alcan	SOW	21-May-13	7900 Haggerty	58	86,716	39.334	Classic Cartage
742	GLC14563	403	21-May-13	17423 West Jefferson	Alcan	SOW	21-May-13	7900 Haggerty	59	87,790	39.821	Classic Cartage
743	GLC14564	15097	21-May-13	17423 West Jefferson	Alcan	SOW	21-May-13	7900 Haggerty	58	86,552	39.259	Classic Cartage
744	GLC14565	80	21-May-13	17423 West Jefferson	Alcan	SOW	21-May-13	7900 Haggerty	58	87,050	39.485	Classic Cartage
745	GLC14566	095/17A	21-May-13	17423 West Jefferson	Alcan	SOW	21-May-13	7900 Haggerty	59	87,980	39.907	Classic Cartage
746	GLC14773	97/610	21-May-13	1200 E. McNichols	Alcan	SOW	21-May-13	6490 Lynch	58	86,571	39.268	Classic Cartage
747	GLC14774	093/9941A/B	21-May-13	1200 E. McNichols	Alcan	SOW	21-May-13	6490 Lynch	60	87,346	39.620	Classic Cartage
748	GLC14775	96	21-May-13	1200 E. McNichols	Alcan	SOW	21-May-13	6490 Lynch	58	87,867	39.856	Classic Cartage
749	GLC14776	924/5428	21-May-13	1200 E. McNichols	Alcan	SOW	21-May-13	6490 Lynch	58	87,091	39.504	Classic Cartage
750	GLC14777	64/04B	21-May-13	1200 E. McNichols	Alcan	SOW	21-May-13	6490 Lynch	57	86,946	39.438	Classic Cartage
751	GLC14778	093/9941AB	21-May-13	1200 E. McNichols	Alcan	SOW	21-May-13	6490 Lynch	57	87,230	39.567	Classic Cartage
752	GLC14779	520/611AB	21-May-13	1200 E. McNichols	Alcan	SOW	21-May-13	6490 Lynch	57	87,063	39.491	Classic Cartage
753	GLC14780	924/5428	21-May-13	1200 E. McNichols	Alcan	SOW	21-May-13	6490 Lynch	58	86,920	39.426	Classic Cartage
754	GLC14781	093/9941AB	21-May-13	1200 E. McNichols	Alcan	SOW	21-May-13	6490 Lynch	56	86,496	39.234	Classic Cartage
755	GLC14782	04/04B	21-May-13	1200 E. McNichols	Alcan	SOW	21-May-13	6490 Lynch	58	87,060	39.490	Classic Cartage
756	GLC15168	520/611AB	21-May-13	26090 23 Mile Rd	Ormet	SOW	21-May-13	50703 E Russell	62	87,544	39.709	Classic Cartage
757	GLC15169	520/611AB	21-May-13	26090 23 Mile Rd	Ormet	SOW	21-May-13	50703 E Russell	62	87,981	39.908	Classic Cartage
758	GLC15170	108/808	21-May-13	26090 23 Mile Rd	Ormet	SOW	21-May-13	50703 E Russell	60	87,240	39.571	Classic Cartage
759	GLC15171		21-May-13	26090 23 Mile Rd	Ormet	SOW	21-May-13	50703 E Russell	58	86,676	39.316	Classic Cartage
760	GLC15172	520/611AB	21-May-13	26090 23 Mile Rd	Ormet	SOW	21-May-13	50703 E Russell	60	86,986	39.456	Classic Cartage
761	GLC15173	520/611AB	21-May-13	26090 23 Mile Rd	Ormet	SOW	21-May-13	50703 E Russell	58	86,921	39.427	Classic Cartage
762	GLC15174	108/808	21-May-13	26090 23 Mile Rd	Ormet	SOW	21-May-13	50703 E Russell	59	87,310	39.603	Classic Cartage
763	GLC15175	520/611AB	21-May-13	26090 23 Mile Rd	Ormet	SOW	21-May-13	50703 E Russell	59	86,829	39.385	Classic Cartage
764	GLC15176	108/808	21-May-13	26090 23 Mile Rd	Ormet	SOW	21-May-13	50703 E Russell	62	86,910	39.422	Classic Cartage
765	GLC15177	108/808	21-May-13	26090 23 Mile Rd	Ormet	SOW	21-May-13	50703 E Russell	62	87,691	39.776	Classic Cartage

	M	N	O
721	112	$200.00	$200.00
722	112	$200.00	$200.00
723	13879-01	$225.00	$225.00
724	13880-01	$225.00	$225.00
725	13881-01	$225.00	$225.00
726	13882-01	$225.00	$225.00
727	13883-01	$225.00	$225.00
728	13884-01	$225.00	$225.00
729	13885-01	$225.00	$225.00
730	14332-01	$235.00	$235.00
731	14333-01	$235.00	$235.00
732	14334-01	$235.00	$235.00
733	14335-01	$235.00	$235.00
734	14336-01	$235.00	$235.00
735	14337-01	$235.00	$235.00
736	14477-01	$225.00	$225.00
737	14478-01	$225.00	$225.00
738	14497-01	$225.00	$225.00
739	14480-01	$225.00	$225.00
740	14481-01	$225.00	$225.00
741	112	$240.00	$240.00
742	119	$240.00	$240.00
743	112	$240.00	$240.00
744	112	$240.00	$240.00
745	112	$240.00	$240.00
746	119	$200.00	$200.00
747	112	$200.00	$200.00
748	119	$200.00	$200.00
749	112	$200.00	$200.00
750	112	$200.00	$200.00
751	112	$200.00	$200.00
752	112	$200.00	$200.00
753	112	$200.00	$200.00
754	112	$200.00	$200.00
755	112	$200.00	$200.00
756	112	$200.00	$200.00
757	112	$200.00	$200.00
758	112	$200.00	$200.00
759	112	$200.00	$200.00
760	112	$200.00	$200.00
761	112	$200.00	$200.00
762	112	$200.00	$200.00
763	112	$200.00	$200.00
764	112	$200.00	$200.00
765	112	$200.00	$200.00

	A	B	C	D	E	F	G	H	I	J	K	L
766	GLC15624	2149/2133A	21-May-13	151 Lafayette	Sha	SOW	21-May-13	1200 E. McNichols	54	87,568	39.720	ALGER
767	GLC15625	634/2139A	21-May-13	151 Lafayette	Sha	SOW	21-May-13	1200 E. McNichols	54	87,821	39.835	ALGER
768	GLC15626	9934/2144	21-May-13	151 Lafayette	Sha	SOW	21-May-13	1200 E. McNichols	54	87,609	39.739	ALGER
769	GLC15627	711/2138	21-May-13	151 Lafayette	Sha	SOW	21-May-13	1200 E. McNichols	54	87,504	39.691	ALGER
770	GLC15628	711/2138	21-May-13	151 Lafayette	Sha	SOW	21-May-13	1200 E. McNichols	53	86,384	39.183	ALGER
771	GLC15629	9934/2144	21-May-13	151 Lafayette	Sha	SOW	21-May-13	1200 E. McNichols	53	86,804	39.374	ALGER
772	GLC15630	2149/2133A	21-May-13	151 Lafayette	Sha	SOW	21-May-13	1200 E. McNichols	54	88,000	39.916	ALGER
773	GLC15631	634/2139A	21-May-13	151 Lafayette	Sha	SOW	21-May-13	1200 E. McNichols	54	87,334	39.614	ALGER
774	GLC15632	9934/2144	21-May-13	151 Lafayette	Sha	SOW	21-May-13	1200 E. McNichols	53	87,208	39.557	ALGER
775	GLC15633	634/2139A	21-May-13	151 Lafayette	Sha	SOW	21-May-13	1200 E. McNichols	53	86,579	39.272	ALGER
776	GLC13667	95/17A	22-May-13	20495 Pennsylvania	Alouette	SOW	22-May-13	17423 West Jefferson	55	87,103	39.509	ALGER
777	GLC13668	14/2149A	22-May-13	20495 Pennsylvania	Alouette	SOW	22-May-13	17423 West Jefferson	55	86,509	39.240	ALGER
778	GLC13669	78/2147A	22-May-13	20495 Pennsylvania	Alouette	SOW	22-May-13	17423 West Jefferson	55	86,823	39.382	ALGER
779	GLC13670	7982/2141A	22-May-13	20495 Pennsylvania	Alouette	SOW	22-May-13	17423 West Jefferson	55	86,807	39.375	ALGER
780	GLC13671	95/17A	22-May-13	20495 Pennsylvania	Alouette	SOW	22-May-13	17423 West Jefferson	55	86,973	39.450	ALGER
781	GLC13672	14/2149A	22-May-13	20495 Pennsylvania	Alouette	SOW	22-May-13	17423 West Jefferson	55	86,529	39.249	ALGER
782	GLC13673	7982/2141	22-May-13	20495 Pennsylvania	Alouette	SOW	22-May-13	17423 West Jefferson	56	87,954	39.895	ALGER
783	GLC13674	28/2147A	22-May-13	20495 Pennsylvania	Alouette	SOW	22-May-13	17423 West Jefferson	55	87,601	39.735	ALGER
784	GLC13724	35/35A	22-May-13	7900 N. Haggerty	Abcq	TBAR	22-May-13	20495 Pennsylvania	55	86,534	39.251	ALGER
785	GLC13725	2149/2133A	22-May-13	7900 N. Haggerty	Abcq	TBAR	22-May-13	20495 Pennsylvania	55	87,081	39.499	ALGER
786	GLC13726	35/35A	22-May-13	7900 N. Haggerty	Abcq	TBAR	22-May-13	20495 Pennsylvania	55	87,046	39.484	ALGER
787	GLC13727	2149/2133A	22-May-13	7900 N. Haggerty	Abcq	TBAR	22-May-13	20495 Pennsylvania	55	87,153	39.532	ALGER
788	GLC13728	35/35A	22-May-13	7900 N. Haggerty	Abcq	TBAR	22-May-13	20495 Pennsylvania	55	86,817	39.380	ALGER
789	GLC13729	2149/2133A	22-May-13	7900 N. Haggerty	Abcq	TBAR	22-May-13	20495 Pennsylvania	55	87,071	39.495	ALGER
790	GLC13730	2149/2133A	22-May-13	7900 N. Haggerty	Abcq	TBAR	22-May-13	20495 Pennsylvania	56	86,837	39.389	ALGER
791	GLC13807	093/9941AB	22-May-13	8650 Mt. Elliott	Ormet	SOW	22-May-13	1200 E. McNichols	60	87,683	39.772	Classic Cartage
792	GLC13808	4/4B	22-May-13	8650 Mt. Elliott	Ormet	SOW	22-May-13	1200 E. McNichols	62	87,438	39.661	Classic Cartage
793	GLC13809	108/808	22-May-13	8650 Mt. Elliott	Ormet	SOW	22-May-13	1200 E. McNichols	60	87,202	39.554	Classic Cartage
794	GLC13810	924/5428	22-May-13	8650 Mt. Elliott	Alouette/Ormet	SOW	22-May-13	1200 E. McNichols	55	86,784	39.365	Classic Cartage
795	GLC13811	9/413	22-May-13	8650 Mt. Elliott	Alouette	SOW	22-May-13	1200 E. McNichols	56	87,535	39.705	Classic Cartage
796	GLC13812	924/5428	22-May-13	8650 Mt. Elliott	Alouette	SOW	22-May-13	1200 E. McNichols	57	87,142	39.527	Classic Cartage
797	GLC13813	97/610	22-May-13	8650 Mt. Elliott	Alouette	SOW	22-May-13	1200 E. McNichols	56	87,833	39.840	Classic Cartage
798	GLC13814	108/808	22-May-13	8650 Mt. Elliott	Alouette	SOW	22-May-13	1200 E. McNichols	55	86,856	39.397	Classic Cartage
799	GLC13886	78/2147A	22-May-13	1725 Cicotte Ave.	Alcan/Alma	SOW	22-May-13	20495 Pennsylvania	58	87,982	39.908	ALGER
800	GLC13887	28/2147A	22-May-13	1725 Cicotte Ave.	Alma/Ormet/ME Alcoa	SOW	22-May-13	20495 Pennsylvania	63	87,068	39.493	ALGER
801	GLC13888	111/2149A	22-May-13	1725 Cicotte Ave.	Ormet/ME Alcoa	SOW	22-May-13	20495 Pennsylvania	61	87,867	39.856	ALGER
802	GLC13889	111/2149A	22-May-13	1725 Cicotte Ave.	Alouette/Ormet	SOW	22-May-13	20495 Pennsylvania	58	87,414	39.650	ALGER
803	GLC13890	095/17A	22-May-13	1725 Cicotte Ave.	Ormet	SOW	22-May-13	20495 Pennsylvania	59	86,760	39.354	ALGER
804	GLC13891	095/17A	22-May-13	1725 Cicotte Ave	Ormet	SOW	22-May-13	20495 Pennsylvania	60	86,977	39.452	ALGER
805	GLC13892	535/200	22-May-13	1725 Cicotte Ave.	Ormet	SOW	22-May-13	20495 Pennsylvania	59	86,703	39.328	ALGER
806	GLC13893	535/200	22-May-13	1725 Cicotte Ave.	Ormet	SOW	22-May-13	20495 Pennsylvania	60	87,832	39.840	ALGER
807	GLC13894	535/200	22-May-13	1725 Cicotte Ave.	Ormet/Alcoa Massena East	SOW	22-May-13	20495 Pennsylvania	61	87,881	39.862	ALGER
808	GLC13895	7982/1241	22-May-13	1725 Cicotte Ave.	Alcoa Massena East	SOW	22-May-13	20495 Pennsylvania	64	86,795	39.370	ALGER
809	GLC14482	2140A	22-May-13	9450 Buffalo	Alcan	TBAR	22-May-13	2599 22nd St	57	86,570	39.268	ALGER
810	GLC14483	2140A	22-May-13	9450 Buffalo	Alcan	TBAR	22-May-13	2599 22nd St	57	87,404	39.646	ALGER

	M	N	O
766	15624-01	$260.00	$260.00
767	15625-01	$260.00	$260.00
768	15626-01	$260.00	$260.00
769	15627-01	$260.00	$260.00
770	15628-01	$260.00	$260.00
771	15629-01	$260.00	$260.00
772	15630-01	$260.00	$260.00
773	15631-01	$260.00	$260.00
774	15632-01	$260.00	$260.00
775	15633-01	$260.00	$260.00
776	13667-01	$215.00	$215.00
777	13668-01	$215.00	$215.00
778	13669-01	$215.00	$215.00
779	13670-01	$215.00	$215.00
780	13671-01	$215.00	$215.00
781	13672-01	$215.00	$215.00
782	13673-01	$215.00	$215.00
783	13674-01	$215.00	$215.00
784	13724-01	$260.00	$260.00
785	13725-01	$260.00	$260.00
786	13726-01	$260.00	$260.00
787	13727-01	$260.00	$260.00
788	13728-01	$260.00	$260.00
789	13729-01	$260.00	$260.00
790	13730-01	$260.00	$260.00
791	112	$200.00	$200.00
792	112	$200.00	$200.00
793	112	$200.00	$200.00
794	112	$200.00	$200.00
795	112	$200.00	$200.00
796	112	$200.00	$200.00
797	119	$200.00	$200.00
798	112	$200.00	$200.00
799	13886-01	$225.00	$225.00
800	13887-01	$225.00	$225.00
801	13888-01	$225.00	$225.00
802	13889-01	$225.00	$225.00
803	13890-01	$225.00	$225.00
804	13891-01	$225.00	$225.00
805	13892-01	$225.00	$225.00
806	13893-01	$225.00	$225.00
807	13894-01	$225.00	$225.00
808	13895-01	$225.00	$225.00
809	14482-01	$225.00	$225.00
810	14483-02	$225.00	$225.00

	A	B	C	D	E	F	G	H	I	J	K	L
811	GLC14484	2140A	22-May-13	9450 Buffalo	Alcan/Alma	TBAR	22-May-13	2599 22nd St	58	87,938	39.888	ALGER
812	GLC14485	2140A	22-May-13	9450 Buffalo	Alca/Alma	TBAR	22-May-13	2599 22nd St	58	87,938	39.888	ALGER
813	GLC14486	2140A	22-May-13	9450 Buffalo	Deschambault/Alma	TBAR	22-May-13	2599 22nd St	58	87,613	39.741	ALGER
814	GLC14567	403	22-May-13	17423 West Jefferson	Alcan	SOW	22-May-13	7900 Haggerty	57	87,444	39.664	Classic Cartage
815	GLC14568	15097	22-May-13	17423 West Jefferson	Alcan	SOW	22-May-13	7900 Haggerty	58	87,042	39.482	Classic Cartage
816	GLC14569	80	22-May-13	17423 West Jefferson	Alcan	SOW	22-May-13	7900 Haggerty	58	87,872	39.858	Classic Cartage
817	GLC14570	95/17A	22-May-13	17423 West Jefferson	Alcan	SOW	22-May-13	7900 Haggerty	59	87,837	39.842	Classic Cartage
818	GLC14571	80	22-May-13	17423 West Jefferson	Alcan	SOW	22-May-13	7900 Haggerty	60	87,585	39.728	Classic Cartage
819	GLC14783	04/04B	22-May-13	1200 E McNichols	Alcan	SOW	22-May-13	6490 Lynch	57	86,444	39.210	Classic Cartage
820	GLC14784	Cant read	22-May-13	1200 E. McNichols	Alcan	SOW	22-May-13	6490 Lynch	58	86,938	39.434	Classic Cartage
821	GLC14785	Cant read	22-May-13	1200 E. McNichols	Alcan	SOW	22-May-13	6490 Lynch	58	86,903	39.419	Classic Cartage
822	GLC14786	Cant read	22-May-13	1200 E McNichols	Alcan	SOW	22-May-13	6490 Lynch	58	87,974	39.904	Classic Cartage
823	GLC14787	04/04B	22-May-13	1200 E. McNichols	Alcan	SOW	22-May-13	6490 Lynch	57	87,617	39.742	Classic Cartage
824	GLC14788	924/5428	22-May-13	1200 E. McNichols	Alcan	SOW	22-May-13	6490 Lynch	59	87,484	39.682	Classic Cartage
825	GLC14789	96/403	22-May-13	1200 E. McNichols	Alcan	SOW	22-May-13	6490 Lynch	60	87,662	39.763	Classic Cartage
826	GLC14790	97/610	22-May-13	1200 E. McNichols	Alcan	SOW	22-May-13	6490 Lynch	60	86,953	39.441	Classic Cartage
827	GLC14791	093/9941A/B	22-May-13	1200 E. McNichols	Alcan	SOW	22-May-13	6490 Lynch	58	86,979	39.453	Classic Cartage
828	GLC14792	108/808	22-May-13	1200 E. McNichols	Alcan	SOW	22-May-13	6490 Lynch	57	87,795	39.823	Classic Cartage
829	GLC15178	6/806	22-May-13	26090 23 Mile Rd	Ormet	SOW	22-May-13	50703 E Russell	62	87,553	39.713	Classic Cartage
830	GLC15179	520/611AB	22-May-13	26090 23 Mile Rd	Ormet	SOW	22-May-13	50703 E Russell	60	87,652	39.758	Classic Cartage
831	GLC15180	6/906	22-May-13	26090 23 Mile Rd	Ormet	SOW	22-May-13	50703 E Russell	59	87,958	39.897	Classic Cartage
832	GLC15181	520/611AB	22-May-13	26090 23 Mile Rd	Ormet	SOW	22-May-13	50703 E Russell	61	87,019	39.471	Classic Cartage
833	GLC15182	6/806	22-May-13	26090 23 Mile Rd	Ormet	SOW	22-May-13	50703 E Russell	61	87,182	39.545	Classic Cartage
834	GLC15183	520/611AB	22-May-13	26090 23 Mile Rd	Ormet	SOW	22-May-13	50703 E Russell	62	86,898	39.416	Classic Cartage
835	GLC15184	6/806	22-May-13	26090 23 Mile Rd	Ormet	SOW	22-May-13	50703 E Russell	61	87,357	39.625	Classic Cartage
836	GLC15185	520/611AB	22-May-13	26090 23 Mile Rd	Ormet	SOW	22-May-13	50703 E Russell	59	86,956	39.443	Classic Cartage
837	GLC15186	6/806	22-May-13	26090 23 Mile Rd	Ormet	SOW	22-May-13	50703 E Russell	59	86,634	39.297	Classic Cartage
838	GLC15187	520/611AB	22-May-13	26090 23 Mile Rd	Ormet	SOW	22-May-13	50703 E Russell	61	87,417	39.652	Classic Cartage
839	GLC15634	711/2138	22-May-13	151 Lafayette	Sha	SOW	22-May-13	1200 E. McNichols	54	87,938	39.888	ALGER
840	GLC15635	9934/2144	22-May-13	151 Lafayette	Sha	SOW	22-May-13	1200 E. McNichols	54	87,567	39.720	ALGER
841	GLC15636	2133/111-112	22-May-13	151 Lafayette	Sha	SOW	22-May-13	1200 E. McNichols	54	87,283	39.591	ALGER
842	GLC15637	9934/2144	22-May-13	151 Lafayette	Sha	SOW	22-May-13	1200 E. McNichols	53	86,397	39.189	ALGER
843	GLC15638	Cant read	22-May-13	151 Lafayette	Sha	SOW	22-May-13	1200 E. McNichols	54	87,354	39.623	ALGER
844	GLC15639	711/2138	22-May-13	151 Lafayette	Sha	SOW	22-May-13	1200 E. McNichols	53	86,379	39.181	ALGER
845	GLC15640	Cant read	22-May-13	151 Lafayette	Sha	SOW	22-May-13	1200 E. McNichols	53	86,336	39.161	ALGER
846	GLC15641	634/2139A	22-May-13	151 Lafayette	Sha	SOW	22-May-13	1200 E. McNichols	54	87,527	39.702	ALGER
847	GLC15642	711/2138	22-May-13	151 Lafayette	sha	SOW	22-May-13	1200 E. McNichols	54	87,974	39.904	ALGER
848	GLC15643	Cant read	22-May-13	151 Lafayette	Sha	SOW	22-May-13	1200 E. McNichols	53	86,436	39.207	ALGER
849	GLC13675	7982/2141	23-May-13	20495 Pennsylvania	Alouette	SOW	23-May-13	17423 West Jefferson	55	86,658	39.307	ALGER
850	GLC13676	095/17A	23-May-13	20495 Pennsylvania	Alouette	SOW	23-May-13	17423 West Jefferson	55	86,465	39.220	ALGER
851	GLC13677	111/2149A	23-May-13	20495 Pennsylvania	Alcoa/Alouette	SOW	23-May-13	17423 West Jefferson	59	87,393	39.641	ALGER
852	GLC13678	78/2147A	23-May-13	20495 Pennsylvania	Alcoa	SOW	23-May-13	17423 West Jefferson	63	87,254	39.578	ALGER
853	GLC13679	95/17A	23-May-13	20495 Pennsylvania	Alcoa	SOW	23-May-13	17423 West Jefferson	64	86,745	39.347	ALGER
854	GLC13680	111/2149A	23-May-13	20495 Pennsylvania	Alcoa	SOW	23-May-13	17423 West Jefferson	67	87,069	39.494	ALGER
855	GLC13681	408/2143A	23-May-13	20495 Pennsylvania	Alcoa	SOW	23-May-13	17423 West Jefferson	64	86,877	39.407	ALGER

	M	N	O
811	14484-01	$225.00	$225.00
812	14483-01	$225.00	$225.00
813	14486-01	$225.00	$225.00
814	119	$240.00	$240.00
815	112	$240.00	$240.00
816	112	$240.00	$240.00
817	112	$240.00	$240.00
818	112	$240.00	$240.00
819	112	$200.00	$200.00
820	112	$200.00	$200.00
821	112	$200.00	$200.00
822	112	$200.00	$200.00
823	112	$200.00	$200.00
824	112	$200.00	$200.00
825	119	$200.00	$200.00
826	119	$200.00	$200.00
827	112	$200.00	$200.00
828	112	$200.00	$200.00
829	112	$200.00	$200.00
830	112	$200.00	$200.00
831	112	$200.00	$200.00
832	112	$200.00	$200.00
833	112	$200.00	$200.00
834	112	$200.00	$200.00
835	112	$200.00	$200.00
836	112	$200.00	$200.00
837	112	$200.00	$200.00
838	112	$200.00	$200.00
839	15634-01	$260.00	$260.00
840	15635-01	$260.00	$260.00
841	15636-01	$260.00	$260.00
842	15637-01	$260.00	$260.00
843	15638-01	$260.00	$260.00
844	15639-01	$260.00	$260.00
845	15640-01	$260.00	$260.00
846	15641-01	$260.00	$260.00
847	15642-01	$260.00	$260.00
848	15643-01	$260.00	$260.00
849	13675-01	$215.00	$215.00
850	13676-01	$215.00	$215.00
851	13677-01	$215.00	$215.00
852	13678-01	$215.00	$215.00
853	13679-01	$215.00	$215.00
854	13680-01	$215.00	$215.00
855	13681-01	$215.00	$215.00

	A	B	C	D	E	F	G	H	I	J	K	L
856	GLC13682	78/2147A	23-May-13	20495 Pennsylvania	Alcoa	SOW	23-May-13	17423 West Jefferson	64	86,852	39.395	ALGER
857	GLC13731	2149/2133A	23-May-13	7900 N. Haggerty	Abcq	TBAR	23-May-13	20495 Pennsylvania	60	87,435	39.660	ALGER
858	GLC13732	1186/1406	23-May-13	7900 N. Haggerty	Abcq	TBAR	23-May-13	20495 Pennsylvania	57	87,339	39.616	ALGER
859	GLC13733	2149/2133A	23-May-13	7900 N. Haggerty	Abcq	TBAR	23-May-13	20495 Pennsylvania	57	86,565	39.265	ALGER
860	GLC13734	1186/1406	23-May-13	7900 N. Haggerty	Abcq	TBAR	23-May-13	20495 Pennsylvania	55	86,887	39.411	ALGER
861	GLC13735	2149/2133A	23-May-13	7900 N. Haggerty	Abcq	TBAR	23-May-13	20495 Pennsylvania	55	87,074	39.496	ALGER
862	GLC13736	1186/1406	23-May-13	7900 N. Haggerty	Abcq	TBAR	23-May-13	20495 Pennsylvania	55	87,150	39.531	ALGER
863	GLC13737	2149/2133A	23-May-13	7900 N. Haggerty	Abcq	TBAR	23-May-13	20495 Pennsylvania	55	86,808	39.375	ALGER
864	GLC13815	4/4B	23-May-13	8650 Mt. Elliott	Alouette	SOW	23-May-13	1200 E. McNichols	55	86,842	39.391	Classic Cartage
865	GLC13816	093/9941AB	23-May-13	8650 Mt. Elliott	Alouette	SOW	23-May-13	1200 E. McNichols	56	86,864	39.401	Classic Cartage
866	GLC13817	4/4B	23-May-13	8650 Mt. Elliott	Alouette	SOW	23-May-13	1200 E. McNichols	57	87,534	39.705	Classic Cartage
867	GLC13818	924/5428	23-May-13	8650 Mt. Elliott	Alouette	SOW	23-May-13	1200 E. McNichols	56	87,396	39.642	Classic Cartage
868	GLC13819	108/808	23-May-13	8650 Mt. Elliott	Alouette	SOW	23-May-13	1200 E. McNichols	55	86,406	39.193	Classic Cartage
869	GLC13820	924/5428	23-May-13	8650 Mt. Elliott	Alouette	SOW	23-May-13	1200 E. McNichols	55	86,869	39.403	Classic Cartage
870	GLC13821	093/9941AB	23-May-13	8650 Mt. Elliott	Alouette	SOW	23-May-13	1200 E. McNichols	56	86,430	39.204	Classic Cartage
871	GLC13822	108/808	23-May-13	8650 Mt. Elliott	Alouette	SOW	23-May-13	1200 E. McNichols	54	86,611	39.286	Classic Cartage
872	GLC13896	78/2147A	23-May-13	1725 Cicotte Ave.	Alcoa/Alcan/Alouette	SOW/ING	23-May-13	20495 Pennsylvania	43	86,424	39.201	ALGER
873	GLC13897	78/2147A	23-May-13	1725 Cicotte Ave.	Alcan/Alouette	SOW/ING	23-May-13	20495 Pennsylvania	54	87,226	39.565	ALGER
874	GLC13898	111/2149A	23-May-13	1725 Cicotte Ave.	Alouette	SOW/ING	23-May-13	20495 Pennsylvania	46	86,541	39.254	ALGER
875	GLC13899	111/2149A	23-May-13	1725 Cicotte Ave.	Alouette/ME Alcoa	SOW	23-May-13	20495 Pennsylvania	57	87,259	39.580	ALGER
876	GLC13900	095/17A	23-May-13	1725 Cicotte Ave.	ME Alcoa	SOW	23-May-13	20495 Pennsylvania	65	87,926	39.883	ALGER
877	GLC13901	095/17A	23-May-13	1725 Cicotte Ave.	ME Alcoa/Ormet	SOW	23-May-13	20495 Pennsylvania	61	86,839	39.390	ALGER
878	GLC13902	535/200	23-May-13	1725 Cicotte Ave.	Ormet/Alouette	SOW	23-May-13	20495 Pennsylvania	61	87,095	39.506	ALGER
879	GLC13903	535/200	23-May-13	1725 Cicotte Ave.	Alouette	SOW	23-May-13	20495 Pennsylvania	55	86,724	39.337	ALGER
880	GLC13904	535/200	23-May-13	1725 Cicotte Ave.	Alouette	SOW	23-May-13	20495 Pennsylvania	57	87,770	39.812	ALGER
881	GLC13905	7982/12111	23-May-13	1725 Cicotte Ave.	Alouette/Alma	SOW	23-May-13	20495 Pennsylvania	60	86,995	39.460	ALGER
882	GLC14487	2140A	23-May-13	9450 Buffalo	Deschambault	TBAR	23-May-13	2599 22nd St	58	87,512	39.695	ALGER
883	GLC14488	2140A	23-May-13	9450 Buffalo	Deschambault	TBAR	23-May-13	2599 22nd St	58	87,548	39.711	ALGER
884	GLC14489	2140A	23-May-13	9450 Buffalo	Deschambault	TBAR	23-May-13	2599 22nd St	58	87,692	39.776	ALGER
885	GLC14490	2140A	23-May-13	9450 Buffalo	Deschambault	TBAR	23-May-13	2599 22nd St	58	87,373	39.632	ALGER
886	GLC14491	2140A	23-May-13	9450 Buffalo	Deschambault	TBAR	23-May-13	2599 22nd St	58	87,294	39.596	ALGER
887	GLC14492	111/112	23-May-13	9450 Buffalo	Deschambault	TBAR	23-May-13	2599 22nd St	58	87,401	39.644	ALGER
888	GLC14493	111/112	23-May-13	9450 Buffalo	Deschambault	TBAR	23-May-13	2599 22nd St	58	87,557	39.715	ALGER
889	GLC14572	403	23-May-13	17423 West Jefferson	Alcan	SOW/TBAR	23-May-13	7900 Haggerty	58	87,180	39.544	Classic Cartage
890	GLC14573	80	23-May-13	17423 West Jefferson	Alcan/Abcq	TBAR	23-May-13	7900 Haggerty	57	87,392	39.640	Classic Cartage
891	GLC14574	15097	23-May-13	17423 West Jefferson	Abcq	TBAR	23-May-13	7900 Haggerty	55	86,921	39.427	Classic Cartage
892	GLC14575	95/17A	23-May-13	17423 West Jefferson	Abcq/Ormet/Alcan	SOW/TBAR	23-May-13	7900 Haggerty	58	87,721	39.790	Classic Cartage
893	GLC14576	5428	23-May-13	17423 West Jefferson	Alcan	TBAR	23-May-13	7900 Haggerty	57	87,471	39.676	Classic Cartage
894	GLC14758	093/9941AB	23-May-13	1200 E. McNichols	Alcan	SOW	23-May-13	6490 Lynch	61	87,806	39.828	Classic Cartage
895	GLC14760	924/5428	23-May-13	1200 E. McNichols	Alcan	SOW	23-May-13	6490 Lynch	62	87,547	39.711	Classic Cartage
896	GLC14795	924/5428	23-May-13	1200 E. McNichols	Alcan	SOW	23-May-13	6490 Lynch	56	87,187	39.547	Classic Cartage
897	GLC14796	108/808	23-May-13	1200 E. McNichols	Alcan	SOW	23-May-13	6490 Lynch	60	87,521	39.699	Classic Cartage
898	GLC14797	093/9941AB	23-May-13	1200 E. McNichols	Alcan	SOW	23-May-13	6490 Lynch	59	87,790	39.821	Classic Cartage
899	GLC14798	108/808	23-May-13	1200 E. McNichols	Alcan	SOW	23-May-13	6490 Lynch	56	87,279	39.589	Classic Cartage
900	GLC14800	96/403	23-May-13	1200 E. McNichols	Alcan	SOW	23-May-13	6480 Lynch	57	87,675	39.769	Classic Cartage

	M	N	O
856	13682-01	$215.00	$215.00
857	13731-01	$260.00	$260.00
858	13732-01	$260.00	$260.00
859	13733-01	$260.00	$260.00
860	13734-01	$260.00	$260.00
861	13735-01	$260.00	$260.00
862	13736-01	$260.00	$260.00
863	13737-01	$260.00	$260.00
864	112	$200.00	$200.00
865	112	$200.00	$200.00
866	112	$200.00	$200.00
867	112	$200.00	$200.00
868	112	$200.00	$200.00
869	112	$200.00	$200.00
870	112	$200.00	$200.00
871	112	$200.00	$200.00
872	13896-01	$225.00	$225.00
873	13897-01	$225.00	$225.00
874	13898-01	$225.00	$225.00
875	13899-01	$225.00	$225.00
876	13900-01	$225.00	$225.00
877	13901-01	$225.00	$225.00
878	13902-01	$225.00	$225.00
879	13903-01	$225.00	$225.00
880	13904-01	$225.00	$225.00
881	13905-01	$225.00	$225.00
882	14487-01	$225.00	$225.00
883	14488-01	$225.00	$225.00
884	14489-01	$225.00	$225.00
885	14490-01	$225.00	$225.00
886	14491-01	$225.00	$225.00
887	14492-01	$225.00	$225.00
888	14493-01	$225.00	$225.00
889	119	$240.00	$240.00
890	112	$240.00	$240.00
891	112	$240.00	$240.00
892	112	$240.00	$240.00
893	112	$240.00	$240.00
894	112	$200.00	$200.00
895	112	$200.00	$200.00
896	112	$200.00	$200.00
897	112	$200.00	$200.00
898	112	$200.00	$200.00
899	112	$200.00	$200.00
900	119	$200.00	$200.00

	A	B	C	D	E	F	G	H	I	J	K	L
901	GLC14801	04/04B	23-May-13	1200 E. McNichols	Alcan	SOW	23-May-13	6490 Lynch	61	87,733	39.795	Classic Cartage
902	GLC14802	97/309	23-May-13	1200 E. McNichols	Alcan	SOW	23-May-13	6490 Lynch	60	87,165	39.537	Classic Cartage
903	GLC15188	520/611AB	23-May-13	26090 23 Mile Rd	Ormet	SOW	23-May-13	50703 E Russell	61	87,296	39.597	Classic Cartage
904	GLC15189	520/611AB	23-May-13	26090 23 Mile Rd	Ormet	SOW	23-May-13	50703 E Russell	60	87,755	39.805	Classic Cartage
905	GLC15190	6/806	23-May-13	26090 23 Mile Rd	Ormet	SOW	23-May-13	50703 E Russell	60	87,014	39.469	Classic Cartage
906	GLC15191	520/611AB	23-May-13	26090 23 Mile Rd	Ormet	SOW	23-May-13	50703 E Russell	60	87,464	39.673	Classic Cartage
907	GLC15192	6/806	23-May-13	26090 23 Mile Rd	Ormet	SOW	23-May-13	50703 E Russell	59	86,782	39.364	Classic Cartage
908	GLC15193	520/611AB	23-May-13	26090 23 Mile Rd	Ormet	SOW	23-May-13	50703 E Russell	59	87,553	39.713	Classic Cartage
909	GLC15194	6/806	23-May-13	26090 23 Mile Rd	Ormet	SOW	23-May-13	50703 E Russell	58	86,711	39.331	Classic Cartage
910	GLC15195	520/611AB	23-May-13	26090 23 Mile Rd	Ormet	SOW	23-May-13	50703 E Russell	60	87,583	39.727	Classic Cartage
911	GLC15196	6/806	23-May-13	26090 23 Mile Rd	Ormet	SOW	23-May-13	50703 E Russell	62	87,406	39.647	Classic Cartage
912	GLC15197	520/611AB	23-May-13	26090 23 Mile Rd	Ormet	SOW	23-May-13	50703 E Russell	60	87,794	39.823	Classic Cartage
913	GLC15644	9934/2144	23-May-13	151 Lafayette	Sha	SOW	23-May-13	1200 E. McNichols	54	87,038	39.480	ALGER
914	GLC15645	711/2138	23-May-13	151 Lafayette	Sha	SOW	23-May-13	1200 E. McNichols	53	86,347	39.166	ALGER
915	GLC15646	35/35A	23-May-13	151 Lafayette	Sha	SOW	23-May-13	1200 E. McNichols	54	87,825	39.837	ALGER
916	GLC15647	2133/111-112	23-May-13	151 Lafayette	Sha	SOW	23-May-13	1200 E. McNichols	54	87,797	39.824	ALGER
917	GLC15648	9934/2144	23-May-13	151 Lafayette	Sha	SOW	23-May-13	1200 E. McNichols	54	87,863	39.854	ALGER
918	GLC15649	711/2138	23-May-13	151 Lafayette	Sha	SOW	23-May-13	1200 E. McNichols	53	86,849	39.394	ALGER
919	GLC15650	35/35A	23-May-13	151 Lafayette	Sha	SOW	23-May-13	1200 E. McNichols	53	86,869	39.412	ALGER
920	GLC15651	9934/2144	23-May-13	151 Lafayette	Sha	SOW	23-May-13	1200 E. McNichols	54	87,534	39.705	ALGER
921	GLC15652	711/2138	23-May-13	151 Lafayette	Sha	SOW	23-May-13	1200 E. McNichols	54	87,528	39.702	ALGER
922	GLC15653	35/35A	23-May-13	151 Lafayette	Sha	SOW	23-May-13	1200 E. McNichols	53	86,545	39.256	ALGER
923	GLC13683	96/2149A	24-May-13	20495 Pennsylvania	ME Alcoa	SOW	24-May-13	17423 West Jefferson	66	87,576	39.724	ALGER
924	GLC13684	95/17A	24-May-13	20495 Pennsylvania	ME Alcoa	SOW	24-May-13	17423 West Jefferson	65	87,290	39.594	ALGER
925	GLC13685	2132/111	24-May-13	20495 Pennsylvania	ME Alcoa	SOW	24-May-13	17423 West Jefferson	67	87,179	39.544	ALGER
926	GLC13686	634/634A	24-May-13	20495 Pennsylvania	ME Alcoa	SOW	24-May-13	17423 West Jefferson	66	87,519	39.698	ALGER
927	GLC13687	108/2140	24-May-13	20495 Pennsylvania	ME Alcoa	SOW	24-May-13	17423 West Jefferson	63	86,713	39.332	ALGER
928	GLC13688	2132/111-112	24-May-13	20495 Pennsylvania	ME Alcoa	SOW	24-May-13	17423 West Jefferson	67	87,258	39.580	ALGER
929	GLC13689	96/2149A	24-May-13	20495 Pennsylvania	ME Alcoa	SOW	24-May-13	17423 West Jefferson	64	87,755	39.805	ALGER
930	GLC13690	2149/2137A	24-May-13	20495 Pennsylvania	ME Alcoa	SOW	24-May-13	17423 West Jefferson	65	87,049	39.485	ALGER
931	GLC13738	108/2140A	24-May-13	7900 N. Haggerty	Abcq	TBAR	24-May-13	20495 Pennsylvania	55	87,100	39.508	ALGER
932	GLC13739	095/17A	24-May-13	7900 N. Haggerty	Abcq	TBAR	24-May-13	20495 Pennsylvania	55	86,740	39.345	ALGER
933	GLC13740	2132/111/112	24-May-13	7900 N. Haggerty	Abcq	TBAR	24-May-13	20495 Pennsylvania	55	87,355	39.624	ALGER
934	GLC13741	2149/2133A	24-May-13	7900 N. Haggerty	Abcq	TBAR	24-May-13	20495 Pennsylvania	55	87,217	39.561	ALGER
935	GLC13742	108/2140A	24-May-13	7900 N. Haggerty	Abcq	TBAR	24-May-13	20495 Pennsylvania	55	86,829	39.385	ALGER
936	GLC13743	2149/2133A	24-May-13	7900 N. Haggerty	Abcq	TBAR	24-May-13	20495 Pennsylvania	55	87,151	39.531	ALGER
937	GLC13744	095/17A	24-May-13	7900 N. Haggerty	Abcq/Sha	TBAR/SOW	24-May-13	20495 Pennsylvania	55	86,946	39.438	ALGER
938	GLC13823	234/405	24-May-13	8650 Mt. Elliott	Alouette/Ormet	SOW	24-May-13	1200 E. McNichols	59	87,965	39.900	Classic Cartage
939	GLC13824	15099/A	24-May-13	8650 Mt. Elliott	Ormet	SOW	24-May-13	1200 E. McNichols	59	86,664	39.310	Classic Cartage
940	GLC13825	415/309	24-May-13	8650 Mt. Elliott	Ormet	SOW	24-May-13	1200 E. McNichols	61	87,959	39.898	Classic Cartage
941	GLC13826	924/5428	24-May-13	8650 Mt. Elliott	Alcoa/Ormet	SOW	24-May-13	1200 E. McNichols	64	87,606	39.737	Classic Cartage
942	GLC13827	924/5428	24-May-13	8650 Mt. Elliott	ME Alcoa	SOW	24-May-13	1200 E. McNichols	64	86,758	39.353	Classic Cartage
943	GLC13828	1569/204	24-May-13	8650 Mt. Elliott	ME Alcoa	SOW	24-May-13	1200 E. McNichols	64	86,840	39.390	Classic Cartage
944	GLC13829	96	24-May-13	8650 Mt. Elliott	ME Alcoa	SOW	24-May-13	1200 E. McNichols	64	87,014	39.469	Classic Cartage
945	GLC13830	15097	24-May-13	8650 Mt. Elliott	ME Alcoa	SOW	24-May-13	1200 E. McNichols	67	87,031	39.477	Classic Cartage

	M	N	O
901	112	$200.00	$200.00
902	119	$200.00	$200.00
903	112	$200.00	$200.00
904	112	$200.00	$200.00
905	112	$200.00	$200.00
906	112	$200.00	$200.00
907	112	$200.00	$200.00
908	112	$200.00	$200.00
909	112	$200.00	$200.00
910	112	$200.00	$200.00
911	112	$200.00	$200.00
912	112	$200.00	$200.00
913	15644-01	$260.00	$260.00
914	15645-01	$260.00	$260.00
915	15646-01	$260.00	$260.00
916	15647-01	$260.00	$260.00
917	15648-01	$260.00	$260.00
918	15649-01	$260.00	$260.00
919	15650-01	$260.00	$260.00
920	15651-01	$260.00	$260.00
921	15652-01	$260.00	$260.00
922	15653-01	$260.00	$260.00
923	13683-01	$215.00	$215.00
924	13684-02	$215.00	$215.00
925	13685-01	$215.00	$215.00
926	13686-01	$215.00	$215.00
927	13687-01	$215.00	$215.00
928	13688-01	$215.00	$215.00
929	13689-01	$215.00	$215.00
930	13690-01	$215.00	$215.00
931	13738-01	$260.00	$260.00
932	13739-01	$260.00	$260.00
933	13740-01	$260.00	$260.00
934	13741-01	$260.00	$260.00
935	13742-01	$260.00	$260.00
936	13743-01	$260.00	$260.00
937	13744-01	$260.00	$260.00
938	119	$200.00	$200.00
939	112	$200.00	$200.00
940	119	$200.00	$200.00
941	112	$200.00	$200.00
942	112	$200.00	$200.00
943	119	$200.00	$200.00
944	119	$200.00	$200.00
945	112	$200.00	$200.00

	A	B	C	D	E	F	G	H	I	J	K	L
946	GLC13906	634/634A	24-May-13	1725 Cicotte Ave.	Alma/Ormet	SOW	24-May-13	20495 Pennsylvania	59	87,336	39.615	ALGER
947	GLC13907	108/2140A	24-May-13	1725 Cicotte Ave.	Alouette/Ormet	SOW	24-May-13	20495 Pennsylvania	57	87,327	39.611	ALGER
948	GLC13908	96/2149A	24-May-13	1725 Cicotte Ave.	Alouette	SOW	24-May-13	20495 Pennsylvania	58	87,284	39.591	ALGER
949	GLC13909	96/2149A	24-May-13	1725 Cicotte Ave.	Alouette/Ormet/Abcq	SOW/TBAR	24-May-13	20495 Pennsylvania	59	87,496	39.688	ALGER
950	GLC13910	634/634A	24-May-13	1725 Cicotte Ave.	Ormet/Abcq	SOW/TBAR	24-May-13	20495 Pennsylvania	60	86,652	39.305	ALGER
951	GLC14577	95/17A	24-May-13	17423 West Jefferson	Alcan	TBAR/SOW	24-May-13	7900 Haggerty	57	87,362	39.627	Classic Cartage
952	GLC14578	403	24-May-13	17423 West Jefferson	Alcan/Alouette	SOW	24-May-13	7900 Haggerty	57	87,016	39.470	Classic Cartage
953	GLC14579	80	24-May-13	17423 West Jefferson	Alouette	SOW	24-May-13	7900 Haggerty	56	87,883	39.863	Classic Cartage
954	GLC14580	95/17A	24-May-13	17423 West Jefferson	Alouette/Alcan	SOW	24-May-13	7900 Haggerty	57	87,276	39.588	Classic Cartage
955	GLC14581	80	24-May-13	17423 West Jefferson	Alcan	SOW/ING	24-May-13	7900 Haggerty	51	86,247	39.121	Classic Cartage
956	GLC14803	415/309	24-May-13	1200 E. McNichols	Alcan	SOW	24-May-13	13542 Helen St	61	87,354	39.623	Classic Cartage
957	GLC14804	415/407	24-May-13	1200 E. McNichols	Alcan	SOW	24-May-13	13542 Helen St	57	87,187	39.547	Classic Cartage
958	GLC14805	234/405	24-May-13	1200 E. McNichols	Alcan	SOW	24-May-13	6490 Lynch	59	87,532	39.704	Classic Cartage
959	GLC14806	1569/204	24-May-13	1200 E. McNichols	Alcan	SOW	24-May-13	13542 Helen St	55	87,102	39.509	Classic Cartage
960	GLC14807	243/405	24-May-13	1200 E. McNichols	Alcan	SOW	24-May-13	13542 Helen St	62	87,674	39.768	Classic Cartage
961	GLC14808LTL	924/5424	24-May-13	1200 E. McNichols	Alcan	SOW	24-May-13	13542 Helen St	2	2,502	1.135	Classic Cartage
962	GLC14809	415/309	24-May-13	1200 E. McNichols	Alcan	SOW	24-May-13	8650 Mt Elliott	57	86,626	39.293	Classic Cartage
963	GLC14810	924/5428	24-May-13	1200 E. McNichols	Alcan	SOW	24-May-13	8650 Mt Elliott	54	87,922	39.881	Classic Cartage
964	GLC14811	15907A/15907B	24-May-13	1200 E. McNichols	Alcan	SOW	24-May-13	8650 Mt Elliott	58	87,773	39.813	Classic Cartage
965	GLC14812	96/96A	24-May-13	1200 E. McNichols	Alcan	SOW	24-May-13	13542 Helen St	58	87,305	39.601	Classic Cartage
966	GLC14813	1569/264	24-May-13	1200 E. McNichols	Alcan	SOW	24-May-13	8650 Mt Elliott	59	87,125	39.519	Classic Cartage
967	GLC15198	093/9941AB	24-May-13	26090 23 Mile Rd	Ormet	SOW	24-May-13	50703 E Russell	60	86,877	39.407	Classic Cartage
968	GLC15199	093/9941AB	24-May-13	26090 23 Mile Rd	Ormet	SOW	24-May-13	50703 E Russell	59	86,996	39.461	Classic Cartage
969	GLC15200	520/611AB	24-May-13	26090 23 Mile Rd	Ormet	SOW	24-May-13	50703 E Russell	59	87,590	39.730	Classic Cartage
970	GLC15201	093/9914AB	24-May-13	26090 23 Mile Rd	Ormet/Abcq	SOW/TBAR	24-May-13	50703 E Russell	60	87,847	39.847	Classic Cartage
971	GLC15202	520/611AB	24-May-13	26090 23 Mile Rd	Abcq	TBAR	24-May-13	50703 E Russell	62	87,406	39.647	Classic Cartage
972	GLC15203	093/9941AB	24-May-13	26090 23 Mile Rd	Abcq	TBAR	24-May-13	50703 E Russell	59	86,647	39.302	Classic Cartage
973	GLC15204	520/611AB	24-May-13	26090 23 Mile Rd	Abcq	TBAR	24-May-13	50703 E Russell	55	86,577	39.271	Classic Cartage
974	GLC15205	093/9941AB	24-May-13	26090 23 Mile Rd	Abcq	TBAR	24-May-13	50703 E Russell	55	86,610	39.286	Classic Cartage
975	GLC15206	520/611AB	24-May-13	26090 23 Mile Rd	Abcq	TBAR	24-May-13	50703 E Russell	55	86,871	39.404	Classic Cartage
976	GLC15207	520/611AB	24-May-13	26090 23 Mile Rd	Abcq	TBAR	24-May-13	50703 E Russell	55	86,755	39.351	Classic Cartage
977	GLC15654	711/2138A	24-May-13	151 Lafayette	Sha	SOW	24-May-13	1200 E. McNichols	53	86,420	39.199	ALGER
978	GLC15655	9934/2144	24-May-13	151 Lafayette	Sha	SOW	24-May-13	1200 E. McNichols	54	87,714	39.786	ALGER
979	GLC15656	35/35A	24-May-13	151 Lafayette	Sha	SOW	24-May-13	1200 E. McNichols	53	86,750	39.349	ALGER
980	GLC15657	711/2138A	24-May-13	151 Lafayette	Sha	SOW	24-May-13	1200 E. McNichols	54	87,441	39.663	ALGER
981	GLC15658	9934/2144	24-May-13	151 Lafayette	Sha/Abi	SOW/TBAR	24-May-13	1200 E. McNichols	56	86,571	39.268	ALGER
982	GLC15659	35/35A	24-May-13	151 Lafayette	Abi	TBAR	24-May-13	1200 E. McNichols	60	87,096	39.506	ALGER
983	GLC15660	634/634A	24-May-13	151 Lafayette	Abi	TBAR	24-May-13	1200 E. McNichols	60	87,103	39.509	ALGER
984	GLC15661	711/2138A	24-May-13	151 Lafayette	Abi	TBAR	24-May-13	1200 E. McNichols	60	87,078	39.498	ALGER
985	GLC15662	9934/2144	24-May-13	151 Lafayette	Abi	TBAR	24-May-13	1200 E. McNichols	60	87,133	39.523	ALGER
986	GLC15663	35/35A	24-May-13	151 Lafayette	Abi	TBAR	24-May-13	1200 E. McNichols	60	87,129	39.521	ALGER
987	GLC15910	Jun-93	24-May-13	21146/21150 Trolley	Alouette	ING	24-May-13	21100 Trolley	38	87,082	39.500	Classic Cartage
988	GLC15911	Jun-93	24-May-13	21146/21150 Trolley	Sha/Alouette	SOW/ING	24-May-13	21100 Trolley	48	86,520	39.245	Classic Cartage
989	GLC15919	108/808	24-May-13	21140 Trolley	Abcq	TBAR	24-May-13	21150 Trolley	57	86,902	39.418	Classic Cartage
990	GLC15920	108/808	24-May-13	21140 Trolley	Abcq/Gbaie	TBAR/SOW	24-May-13	21150 Trolley	61	87,799	39.825	Classic Cartage

	M	N	O
946	13906-01	$225.00	$225.00
947	13907-01	$225.00	$225.00
948	13908-01	$225.00	$225.00
949	13909-01	$225.00	$225.00
950	13910-01	$225.00	$225.00
951	112	$240.00	$240.00
952	119	$240.00	$240.00
953	112	$240.00	$240.00
954	112	$240.00	$240.00
955	112	$240.00	$240.00
956	119	$200.00	$200.00
957	112	$200.00	$200.00
958	119	$200.00	$200.00
959	119	$200.00	$200.00
960	119	$200.00	$200.00
961	112	$200.00	$200.00
962	119	$200.00	$200.00
963	112	$200.00	$200.00
964	112	$200.00	$200.00
965	119	$200.00	$200.00
966	119	$200.00	$200.00
967	112	$200.00	$200.00
968	112	$200.00	$200.00
969	112	$200.00	$200.00
970	112	$200.00	$200.00
971	112	$200.00	$200.00
972	112	$200.00	$200.00
973	112	$200.00	$200.00
974	112	$200.00	$200.00
975	112	$200.00	$200.00
976	112	$200.00	$200.00
977	15654-01	$260.00	$260.00
978	15655-01	$260.00	$260.00
979	15656-01	$260.00	$260.00
980	15657-01	$260.00	$260.00
981	15658-01	$260.00	$260.00
982	15659-01	$260.00	$260.00
983	15660-01	$260.00	$260.00
984	15661-01	$260.00	$260.00
985	15662-01	$260.00	$260.00
986	15663-01	$260.00	$260.00
987	112	$200.00	$200.00
988	112	$200.00	$200.00
989	112	$200.00	$200.00
990	112	$200.00	$200.00

	A	B	C	D	E	F	G	H	I	J	K	L
991	GLC15921LTL	108/808	24-May-13	21140 Trolley	Gbaie	SOW	24-May-13	21150 Trolley	30	46,090	20.906	Classic Cartage
992	GLC15922	Jun-93	24-May-13	21100 Trolley	Alcan	SOW	24-May-13	21100 Trolley	57	87,127	39.520	Classic Cartage
993	GLC15923	Jun-93	24-May-13	21100 Trolley	Alcan	SOW	24-May-13	21150 Trolley	58	87,520	39.698	Classic Cartage
994	GLC15924	108/808	24-May-13	21100 Trolley	Alcan	SOW	24-May-13	21150 Trolley	57	87,138	39.525	Classic Cartage
995	GLC15925	808/108	24-May-13	21100 Trolley	Alcan	SOW	24-May-13	21150 Trolley	58	86,863	39.400	Classic Cartage
996	GLC15926	093/994AB	24-May-13	21100 Trolley	Alcan	SOW	24-May-13	21150 Trolley	59	87,722	39.790	Classic Cartage
997	GLC13691	095/17A	28-May-13	20495 Pennsylvania	ME Alcoa	SOW	28-May-13	17423 West Jefferson	62	86,664	39.310	ALGER
998	GLC13692	96/2139A	28-May-13	20495 Pennsylvania	ME Alcoa	SOW	28-May-13	17423 West Jefferson	63	87,246	39.574	ALGER
999	GLC13693	535/200	28-May-13	20495 Pennsylvania	ME Alcoa	SOW	28-May-13	17423 West Jefferson	65	87,653	39.759	Alger
1000	GLC13694	535/200	28-May-13	20495 Pennsylvania	ME Alcoa	SOW	28-May-13	17423 West Jefferson	65	87,112	39.513	Alger
1001	GLC13695	695/17A	28-May-13	20495 Pennsylvania	ME Alcoa	SOW	28-May-13	17423 West Jefferson	64	87,873	39.859	ALGER
1002	GLC13696	96/2139A	28-May-13	20495 Pennsylvania	ME Alcoa	SOW	28-May-13	17423 West Jefferson	67	87,577	39.724	ALGER
1003	GLC13697	7982	28-May-13	20495 Pennsylvania	ME Alcoa	SOW	28-May-13	17423 West Jefferson	64	87,603	39.736	Alger
1004	GLC13698	96/2139A	28-May-13	20495 Pennsylvania	ME Alcoa	SOW	28-May-13	17423 West Jefferson	64	86,634	39.297	ALGER
1005	GLC13745	095/17A	28-May-13	7900 N. Haggerty	Sha	SOW	28-May-13	20495 Pennsylvania	54	87,421	39.654	ALGER
1006	GLC13746	96/2139A	28-May-13	7900 N. Haggerty	Sha	SOW	28-May-13	20495 Pennsylvania	54	87,819	39.834	ALGER
1007	GLC13747	535/200	28-May-13	7900 N. Haggerty	Sha	SOW	28-May-13	20495 Pennsylvania	54	87,490	39.685	Alger
1008	GLC13748	095/17A	28-May-13	7900 N. Haggerty	Sha	SOW	28-May-13	20495 Pennsylvania	54	87,742	39.799	ALGER
1009	GLC13749	96/2139A	28-May-13	7900 N. Haggerty	Sha	SOW	28-May-13	20495 Pennsylvania	54	87,472	39.677	ALGER
1010	GLC13750	7982/2141A	28-May-13	7900 N. Haggerty	Sha	SOW	28-May-13	20495 Pennsylvania	54	87,806	39.828	Alger
1011	GLC13831	96/403	28-May-13	8650 Mt. Elliott	ME Alcoa	SOW	28-May-13	1200 E. McNichols	63	87,028	39.475	Classic Cartage
1012	GLC13832	4/4B	28-May-13	8650 Mt. Elliott	ME Alcoa	SOW	28-May-13	1200 E. McNichols	65	86,993	39.459	Classic Cartage
1013	GLC13833	415/309	28-May-13	8650 Mt. Elliott	ME Alcoa	SOW	28-May-13	1200 E. McNichols	66	86,646	39.302	Classic Cartage
1014	GLC13834	234/405	28-May-13	8650 Mt. Elliott	ME Alcoa/Ormet/Alcoa Massena East	SOW	28-May-13	1200 E. McNichols	60	87,324	39.610	Classic Cartage
1015	GLC13835	520/011	28-May-13	8650 Mt. Elliott	Alcoa Massena East/Alouette	SOW	28-May-13	1200 E. McNichols	63	87,596	39.733	Classic Cartage
1016	GLC13836	520/011	28-May-13	8650 Mt. Elliott	Alcoa Massena East/Alouette	SOW	28-May-13	1200 E. McNichols	61	87,949	39.893	Classic Cartage
1017	GLC13837	4/4B	28-May-13	8650 Mt. Elliott	Alcoa/Alcoa Massena East/Alouette	SOW	28-May-13	1200 E. McNichols	61	87,627	39.747	Classic Cartage
1018	GLC13838	15097/B	28-May-13	8650 Mt. Elliott	Alouette	SOW	28-May-13	1200 E. McNichols	54	86,308	39.149	Classic Cartage
1019	GLC14582	80	28-May-13	17423 West Jefferson	Abcq/Alcan	TBAR/SOW/ING	28-May-13	7900 Haggerty	56	86,823	39.382	Classic Cartage
1020	GLC14583	204	28-May-13	17423 West Jefferson	Alcan	SOW	28-May-13	7900 Haggerty	63	87,921	39.880	Classic Cartage
1021	GLC14584	095/17A	28-May-13	17423 West Jefferson	Alcan	SOW/ING	28-May-13	7900 Haggerty	54	87,104	39.510	Classic Cartage
1022	GLC14585	80	28-May-13	17423 West Jefferson	Alcan	TBAR/ING	28-May-13	7900 Haggerty	53	87,454	39.669	Classic Cartage
1023	GLC14586	095/17A	28-May-13	17423 West Jefferson	Alcan	TBAR/ING	28-May-13	7900 Haggerty	50	86,361	39.173	Classic Cartage
1024	GLC14814	520/611A/B	28-May-13	1200 E. McNichols	Alcan	SOW	28-May-13	8650 Mt Elliott	62	87,657	39.761	Classic Cartage
1025	GLC14815	04/4B	28-May-13	1200 E. McNichols	Alcan	SOW	28-May-13	8650 Mt Elliott	59	86,977	39.452	Classic Cartage
1026	GLC14816	1569/204	28-May-13	1200 E. McNichols	Alcan	SOW	28-May-13	13542 Helen St	59	86,702	39.327	Classic Cartage
1027	GLC14817	15097/15097B	28-May-13	1200 E. McNichols	Alcan	SOW	28-May-13	8650 Mt Elliott	56	87,494	39.687	Classic Cartage
1028	GLC14818	4/4B	28-May-13	1200 E. McNichols	Alcan	SOW	28-May-13	8650 Mt Elliott	57	87,521	39.699	Classic Cartage
1029	GLC14819	234/405	28-May-13	1200 E. McNichols	Alcan	SOW	28-May-13	13542 Helen St	59	86,814	39.378	Classic Cartage
1030	GLC14820	415/309	28-May-13	1200 E. McNichols	Alcan	SOW	28-May-13	8650 Mt Elliott	60	87,427	39.656	Classic Cartage
1031	GLC14821	1569/204	28-May-13	1200 E. McNichols	Alcan	SOW	28-May-13	13542 Helen St	55	86,892	39.414	Classic Cartage
1032	GLC14822	415/309	28-May-13	1200 E. McNichols	Alcan	SOW	28-May-13	13542 Helen St	53	87,427	39.656	Classic Cartage
1033	GLC14823	520/611A/B	28-May-13	1200 E. McNichols	Alcan	SOW	28-May-13	8650 Mt Elliott	57	87,775	39.814	Classic Cartage
1034	GLC15208	924/5428	28-May-13	26090 23 Mile Rd	Abcq	TBAR	28-May-13	50703 E Russell	58	86,860	39.399	Classic Cartage
1035	GLC15209	924/5428	28-May-13	26090 23 Mile Rd	Abcq	TBAR	28-May-13	50703 E Russell	55	86,660	39.308	Classic Cartage

	M	N	O
991	112	$200.00	$200.00
992	112	$200.00	$200.00
993	112	$200.00	$200.00
994	112	$200.00	$200.00
995	112	$200.00	$200.00
996	112	$200.00	$200.00
997	13691-01	$215.00	$215.00
998	13692-01	$215.00	$215.00
999	13693-01	$215.00	$215.00
1000	13694-01	$215.00	$215.00
1001	13695-01	$215.00	$215.00
1002	13696-01	$215.00	$215.00
1003	13697-01	$215.00	$215.00
1004	13698-01	$215.00	$215.00
1005	13745-01	$260.00	$260.00
1006	13746-01	$260.00	$260.00
1007	13747-01	$260.00	$260.00
1008	13748-01	$260.00	$260.00
1009	13749-01	$260.00	$260.00
1010	13750-01	$260.00	$260.00
1011	121	$200.00	$200.00
1012	114	$200.00	$200.00
1013	121	$200.00	$200.00
1014	121	$200.00	$200.00
1015	114	$200.00	$200.00
1016	114	$200.00	$200.00
1017	114	$200.00	$200.00
1018	114	$200.00	$200.00
1019	114	$240.00	$240.00
1020	121	$240.00	$240.00
1021	114	$240.00	$240.00
1022	114	$240.00	$240.00
1023	114	$240.00	$240.00
1024	114	$200.00	$200.00
1025	114	$200.00	$200.00
1026	121	$200.00	$200.00
1027	114	$200.00	$200.00
1028	114	$200.00	$200.00
1029	121	$200.00	$200.00
1030	121	$200.00	$200.00
1031	121	$200.00	$200.00
1032	121	$200.00	$200.00
1033	114	$200.00	$200.00
1034	114	$200.00	$200.00
1035	114	$200.00	$200.00

	A	B	C	D	E	F	G	H	I	J	K	L
1036	GLC15210	108/808	28-May-13	26090 23 Mile Rd	Abcq	TBAR	28-May-13	50703 E Russell	55	86,875	39.406	Classic Cartage
1037	GLC15211	924/5428	28-May-13	26090 23 Mile Rd	Abcq	TBAR	28-May-13	50703 E Russell	58	87,122	39.518	Classic Cartage
1038	GLC15212	808/108	28-May-13	26090 23 Mile Rd	Abcq	TBAR	28-May-13	50703 E Russell	56	87,502	39.690	Classic Cartage
1039	GLC15213	924/5428	28-May-13	26090 23 Mile Rd	Abcq	TBAR	28-May-13	50703 E Russell	55	86,854	39.396	Classic Cartage
1040	GLC15214	808/108	28-May-13	26090 23 Mile Rd	Abcq	TBAR	28-May-13	50703 E Russell	55	86,693	39.323	Classic Cartage
1041	GLC15215	924/5428	28-May-13	26090 23 Mile Rd	Abcq	TBAR	28-May-13	50703 E Russell	55	87,141	39.527	Classic Cartage
1042	GLC15216	808/108	28-May-13	26090 23 Mile Rd	Abcq	TBAR	28-May-13	50703 E Russell	55	86,516	39.243	Classic Cartage
1043	GLC15217	808/108	28-May-13	26090 23 Mile Rd	Abcq	TBAR	28-May-13	50703 E Russell	55	86,901	39.418	Classic Cartage
1044	GLC15664	78/2147A	28-May-13	151 Lafayette	Abi	TBAR	28-May-13	1200 E. McNichols	59	86,673	39.314	ALGER
1045	GLC15665	2149/2149A	28-May-13	151 Lafayette	Abi	TBAR	28-May-13	1200 E. McNichols	54	87,696	39.778	ALGER
1046	GLC15666	9934/2144A	28-May-13	151 Lafayette	Abi	TBAR	28-May-13	1200 E. McNichols	59	86,981	39.454	ALGER
1047	GLC15667	9934/2144A	28-May-13	151 Lafayette	Abi	TBAR	28-May-13	1200 E. McNichols	60	87,328	39.611	ALGER
1048	GLC15668	78/2147A	28-May-13	151 Lafayette	Abi	TBAR	28-May-13	1200 E. McNichols	60	87,072	39.495	ALGER
1049	GLC15669	9934/2144A	28-May-13	151 Lafayette	Abi	TBAR	28-May-13	1200 E. McNichols	60	87,173	39.541	ALGER
1050	GLC15670	2149/2149A	28-May-13	151 Lafayette	Abi	TBAR	28-May-13	1200 E. McNichols	59	86,601	39.282	ALGER
1051	GLC15671	78/2147A	28-May-13	151 Lafayette	Abi	TBAR	28-May-13	1200 E. McNichols	59	87,948	39.893	ALGER
1052	GLC15672	9934/2144	28-May-13	151 Lafayette	Abi	TBAR	28-May-13	1200 E. McNichols	56	87,131	39.522	ALGER
1053	GLC15673	2149/2149A	28-May-13	151 Lafayette	Abi	TBAR	28-May-13	1200 E. McNichols	58	86,939	39.435	ALGER
1054	GLC15912	531/532	28-May-13	21146/21150 Trolley	Sha	SOW	28-May-13	21100 Trolley	53	86,913	39.423	Classic Cartage
1055	GLC15913	531/532	28-May-13	21146/21150 Trolley	Sha	SOW	28-May-13	21100 Trolley	52	86,690	39.322	Classic Cartage
1056	GLC15914	924/5428	28-May-13	21146/21150 Trolley	Sha	SOW	28-May-13	21100 Trolley	52	86,465	39.220	Classic Cartage
1057	GLC15915	531/532	28-May-13	21146/21150 Trolley	Sha/Alma/Alouette	SOW	28-May-13	21100 Trolley	63	87,722	39.790	Classic Cartage
1058	GLC15916	531/532	28-May-13	21146/21150 Trolley	Alouette	SOW	28-May-13	21100 Trolley	56	87,872	39.858	Classic Cartage
1059	GLC15917	531/532	28-May-13	21146/21150 Trolley	Alouette	SOW	28-May-13	21100 Trolley	55	86,783	39.364	Classic Cartage
1060	GLC15918LTL	531/532	28-May-13	21146/21150 Trolley	Alouette	SOW	28-May-13	21100 Trolley	13	20,362	9.236	Classic Cartage
1061	GLC15927	520/611AB	28-May-13	21100 Trolley	Alcan	SOW	28-May-13	21150 Trolley	59	87,405	39.646	Classic Cartage
1062	GLC15928	61	28-May-13	21100 Trolley	Alma/Alcan	TBAR/SOW	28-May-13	21150 Trolley	51	82,611	37.472	Classic Cartage
1063	GLC13699	095/17A	29-May-13	20495 Pennsylvania	ME Alcoa	SOW	29-May-13	17423 West Jefferson	65	87,914	39.877	ALGER
1064	GLC13700	108/2140A	29-May-13	20495 Pennsylvania	ME Alcoa	SOW	29-May-13	17423 West Jefferson	65	87,286	39.592	ALGER
1065	GLC13701	96/2139A	29-May-13	20495 Pennsylvania	ME Alcoa	SOW	29-May-13	17423 West Jefferson	65	87,343	39.618	ALGER
1066	GLC13702	7982/2141A	29-May-13	20495 Pennsylvania	ME Alcoa	SOW	29-May-13	17423 West Jefferson	63	87,619	39.743	Alger
1067	GLC13703	96/2139A	29-May-13	20495 Pennsylvania	ME Alcoa	SOW	29-May-13	17423 West Jefferson	64	87,879	39.861	ALGER
1068	GLC13704	7982/2141A	29-May-13	20495 Pennsylvania	ME Alcoa	SOW	29-May-13	17423 West Jefferson	63	87,843	39.845	Alger
1069	GLC13705	108/2140A	29-May-13	20495 Pennsylvania	ME Alcoa	SOW	29-May-13	17423 West Jefferson	64	87,755	39.805	ALGER
1070	GLC13706	095/17A	29-May-13	20495 Pennsylvania	ME Alcoa	SOW	29-May-13	17423 West Jefferson	64	87,662	39.763	ALGER
1071	GLC13751	108/2140A	29-May-13	7900 N. Haggerty	Sha	SOW	29-May-13	20495 Pennsylvania	54	87,361	39.626	ALGER
1072	GLC13752	96/2139A	29-May-13	7900 N. Haggerty	Sha	SOW	29-May-13	20495 Pennsylvania	54	87,773	39.813	ALGER
1073	GLC13753	7982/1241A	29-May-13	7900 N. Haggerty	Sha	SOW	29-May-13	20495 Pennsylvania	54	87,973	39.904	Alger
1074	GLC13754	108/2140A	29-May-13	7900 N. Haggerty	Sha	SOW	29-May-13	20495 Pennsylvania	54	87,266	39.583	ALGER
1075	GLC13755	095/17A	29-May-13	7900 N. Haggerty	Sha	SOW	29-May-13	20495 Pennsylvania	54	87,626	39.747	ALGER
1076	GLC13756	96/2139A	29-May-13	7900 N. Haggerty	Sha	SOW	29-May-13	20495 Pennsylvania	54	87,285	39.592	ALGER
1077	GLC13839	4/4B	29-May-13	8650 Mt. Elliott	Alouette	SOW	29-May-13	1200 E. McNichols	55	87,930	39.884	Classic Cartage
1078	GLC13840	093/9941AB	29-May-13	8650 Mt. Elliott	Alouette	SOW	29-May-13	1200 E. McNichols	54	87,558	39.716	Classic Cartage
1079	GLC13841	4/4B	29-May-13	8650 Mt. Elliott	Alouette/Alcoa	SOW	29-May-13	1200 E. McNichols	58	86,741	39.345	Classic Cartage
1080	GLC13842	520	29-May-13	8650 Mt. Elliott	ME Alcoa	SOW	29-May-13	1200 E. McNichols	65	87,860	39.853	Classic Cartage

	M	N	O
1036	114	$200.00	$200.00
1037	114	$200.00	$200.00
1038	114	$200.00	$200.00
1039	114	$200.00	$200.00
1040	114	$200.00	$200.00
1041	114	$200.00	$200.00
1042	114	$200.00	$200.00
1043	114	$200.00	$200.00
1044	15664-01	$260.00	$260.00
1045	15665-01	$260.00	$260.00
1046	15666-01	$260.00	$260.00
1047	15667-01	$260.00	$260.00
1048	15668-01	$260.00	$260.00
1049	15669-01	$260.00	$260.00
1050	15670-01	$260.00	$260.00
1051	15671-01	$260.00	$260.00
1052	15672-01	$260.00	$260.00
1053	15673-01	$260.00	$260.00
1054	114	$200.00	$200.00
1055	114	$200.00	$200.00
1056	114	$200.00	$200.00
1057	114	$200.00	$200.00
1058	114	$200.00	$200.00
1059	114	$200.00	$200.00
1060	114	$200.00	$200.00
1061	112	$200.00	$200.00
1062	112	$200.00	$200.00
1063	13699-01	$215.00	$215.00
1064	13700-01	$215.00	$215.00
1065	13701-01	$215.00	$215.00
1066	13702-01	$215.00	$215.00
1067	13703-01	$215.00	$215.00
1068	13704-01	$215.00	$215.00
1069	13705-01	$215.00	$215.00
1070	13706-01	$215.00	$215.00
1071	13751-01	$260.00	$260.00
1072	13752-01	$260.00	$260.00
1073	13753-01	$260.00	$260.00
1074	13754-01	$260.00	$260.00
1075	13755-01	$260.00	$260.00
1076	13756-01	$260.00	$260.00
1077	114	$200.00	$200.00
1078	114	$200.00	$200.00
1079	114	$200.00	$200.00
1080	114	$200.00	$200.00

	A	B	C	D	E	F	G	H	I	J	K	L
1081	GLC13843	530/532	29-May-13	8650 Mt. Elliott	ME Alcoa/Ormet	SOW	29-May-13	1200 E. McNichols	63	87,107	39.511	Classic Cartage
1082	GLC13844	093/9941AB	29-May-13	8650 Mt. Elliott	Ormet	SOW	29-May-13	1200 E. McNichols	61	87,688	39.775	Classic Cartage
1083	GLC13845	1569/204	29-May-13	8650 Mt. Elliott	Alouette/Ormet	SOW	29-May-13	1200 E. McNichols	57	87,237	39.570	Classic Cartage
1084	GLC13846	6/806	29-May-13	8650 Mt. Elliott	Alouette/Ormet	SOW	29-May-13	1200 E. McNichols	59	86,520	39.245	Classic Cartage
1085	GLC14587	465	29-May-13	17423 West Jefferson	ME Alcoa/Alcan/Ormet	SOW/ING	29-May-13	7900 Haggerty	59	87,473	39.677	Classic Cartage
1086	GLC14588	095/17A	29-May-13	17423 West Jefferson	Ormet	SOW	29-May-13	7900 Haggerty	61	87,145	39.528	Classic Cartage
1087	GLC14589	204	29-May-13	17423 West Jefferson	Ormet/Alcan	SOW	29-May-13	7900 Haggerty	64	87,588	39.729	Classic Cartage
1088	GLC14590	405	29-May-13	17423 West Jefferson	Alcan	SOW	29-May-13	7900 Haggerty	65	87,972	39.903	Classic Cartage
1089	GLC14591	095/17A	29-May-13	17423 West Jefferson	Alcan	SOW	29-May-13	7900 Haggerty	64	86,692	39.323	Classic Cartage
1090	GLC14824	520/611AB	29-May-13	1200 E. McNichols	Alcan	SOW	29-May-13	13542 Helen St	55	87,962	39.899	Classic Cartage
1091	GLC14825	415/309	29-May-13	1200 E. McNichols	Alcan	SOW	29-May-13	13542 Helen St	59	87,574	39.723	Classic Cartage
1092	GLC14826	415/309	29-May-13	1200 E. McNichols	Alcan	SOW	29-May-13	13542 Helen St	58	87,451	39.667	Classic Cartage
1093	GLC14827	093/9941AB	29-May-13	1200 E. McNichols	Alcan	SOW	29-May-13	13542 Helen St	55	87,445	39.664	Classic Cartage
1094	GLC14828	04/04B	29-May-13	1200 E. McNichols	Alcan	SOW	29-May-13	13542 Helen St	60	87,812	39.831	Classic Cartage
1095	GLC14829	6/806	29-May-13	1200 E. McNichols	Alcan	SOW	29-May-13	13542 Helen St	57	86,625	39.292	Classic Cartage
1096	GLC14830	1569/204	29-May-13	1200 E. McNichols	Alcan	SOW	29-May-13	13542 Helen St	60	87,349	39.621	Classic Cartage
1097	GLC14831	520/611AB	29-May-13	1200 E. McNichols	Alcan	SOW	29-May-13	13542 Helen St	59	86,567	39.266	Classic Cartage
1098	GLC14832	093/9941AB	29-May-13	1200 E. McNichols	Alcan	SOW	29-May-13	13542 Helen St	55	87,088	39.502	Classic Cartage
1099	GLC14833	04/04B	29-May-13	1200 E. McNichols	Alcan	SOW	29-May-13	13542 Helen St	60	86,838	39.389	Classic Cartage
1100	GLC15218	924/5428	29-May-13	26090 23 Mile Rd	Abcq	TBAR	29-May-13	50703 E Russell	55	86,949	39.439	Classic Cartage
1101	GLC15219	924/5428	29-May-13	26090 23 Mile Rd	Abcq	TBAR	29-May-13	50703 E Russell	55	86,647	39.302	Classic Cartage
1102	GLC15220	108/808	29-May-13	26090 23 Mile Rd	Abcq	TBAR	29-May-13	50703 E Russell	55	86,735	39.342	Classic Cartage
1103	GLC15221	108/808	29-May-13	26090 23 Mile Rd	Abcq	TBAR	29-May-13	50703 E Russell	55	86,637	39.298	Classic Cartage
1104	GLC15222	924/5428	29-May-13	26090 23 Mile Rd	Abcq	TBAR	29-May-13	50703 E Russell	55	86,612	39.287	Classic Cartage
1105	GLC15223	108/808	29-May-13	26090 23 Mile Rd	Abcq	TBAR	29-May-13	50703 E Russell	59	87,994	39.913	Classic Cartage
1106	GLC15224	924/5428	29-May-13	26090 23 Mile Rd	Abcq	TBAR	29-May-13	50703 E Russell	59	87,131	39.522	Classic Cartage
1107	GLC15225	108/808	29-May-13	26090 23 Mile Rd	Abcq	TBAR	29-May-13	50703 E Russell	58	86,942	39.436	Classic Cartage
1108	GLC15226	924/5428	29-May-13	26090 23 Mile Rd	Abcq	TBAR	29-May-13	50703 E Russell	58	86,584	39.274	Classic Cartage
1109	GLC15227	108/808	29-May-13	26090 23 Mile Rd	Abcq	TBAR	29-May-13	50703 E Russell	55	86,848	39.394	Classic Cartage
1110	GLC15674	9934/2144A	29-May-13	151 Lafayette	Abi	TBAR	29-May-13	1200 E. McNichols	56	86,984	39.455	ALGER
1111	GLC15675	711/2138A	29-May-13	151 Lafayette	Abi	TBAR	29-May-13	1200 E. McNichols	54	87,805	39.828	ALGER
1112	GLC15676	78/2144A	29-May-13	151 Lafayette	Abi	TBAR	29-May-13	1200 E. McNichols	54	86,665	39.311	ALGER
1113	GLC15677	2149/2149A	29-May-13	151 Lafayette	Abi	TBAR	29-May-13	1200 E. McNichols	54	87,607	39.738	ALGER
1114	GLC15678	9934/2144A	29-May-13	151 Lafayette	Abi/Alcan	TBAR	29-May-13	1200 E. McNichols	56	86,619	39.290	ALGER
1115	GLC15679	711/2138A	29-May-13	151 Lafayette	Alcan	TBAR	29-May-13	1200 E. McNichols	57	87,299	39.598	ALGER
1116	GLC15680	2149/2149A	29-May-13	151 Lafayette	Alcan	TBAR	29-May-13	1200 E. McNichols	57	87,266	39.583	ALGER
1117	GLC15681	711/2138	29-May-13	151 Lafayette	Alcan	TBAR	29-May-13	1200 E. McNichols	57	87,258	39.580	ALGER
1118	GLC15682	9934/2144A	29-May-13	151 Lafayette	Alcan	TBAR	29-May-13	1200 E. McNichols	57	87,172	39.541	ALGER
1119	GLC15683	78/2147A	29-May-13	151 Lafayette	Alcan	TBAR	29-May-13	1200 E. McNichols	57	87,200	39.553	ALGER
1120	GLC13707	095/17A	30-May-13	20495 Pennsylvania	Alcoa	SOW	30-May-13	17423 West Jefferson	63	87,812	39.831	ALGER
1121	GLC13708	111/2139A	30-May-13	20495 Pennsylvania	Alcoa	SOW	30-May-13	17423 West Jefferson	65	87,441	39.663	ALGER
1122	GLC13709	35/35A	30-May-13	20495 Pennsylvania	Alcoa	SOW	30-May-13	17423 West Jefferson	65	87,729	39.793	ALGER
1123	GLC13710	7982/2141A	30-May-13	20495 Pennsylvania	Alcoa	SOW	30-May-13	17423 West Jefferson	64	86,699	39.326	Alger
1124	GLC13711	111/2139A	30-May-13	20495 Pennsylvania	Alcoa	SOW	30-May-13	17423 West Jefferson	64	86,540	39.254	ALGER
1125	GLC13712	7982/241	30-May-13	20495 Pennsylvania	Alcoa	SOW	30-May-13	17423 West Jefferson	66	87,859	39.852	Alger

	M	N	O
1081	114	$200.00	$200.00
1082	114	$200.00	$200.00
1083	121	$200.00	$200.00
1084	114	$200.00	$200.00
1085	121	$240.00	$240.00
1086	114	$240.00	$240.00
1087	121	$240.00	$240.00
1088	121	$240.00	$240.00
1089	114	$240.00	$240.00
1090	114	$200.00	$200.00
1091	121	$200.00	$200.00
1092	121	$200.00	$200.00
1093	114	$200.00	$200.00
1094	114	$200.00	$200.00
1095	114	$200.00	$200.00
1096	121	$200.00	$200.00
1097	114	$200.00	$200.00
1098	114	$200.00	$200.00
1099	114	$200.00	$200.00
1100	114	$200.00	$200.00
1101	114	$200.00	$200.00
1102	114	$200.00	$200.00
1103	114	$200.00	$200.00
1104	114	$200.00	$200.00
1105	114	$200.00	$200.00
1106	114	$200.00	$200.00
1107	114	$200.00	$200.00
1108	114	$200.00	$200.00
1109	114	$200.00	$200.00
1110	15674-01	$260.00	$260.00
1111	15675-01	$260.00	$260.00
1112	15676-01	$260.00	$260.00
1113	15677-01	$260.00	$260.00
1114	15678-01	$260.00	$260.00
1115	15679-01	$260.00	$260.00
1116	15680-01	$260.00	$260.00
1117	15681-01	$260.00	$260.00
1118	15682-01	$260.00	$260.00
1119	15683-01	$260.00	$260.00
1120	13707-01	$215.00	$215.00
1121	13708-01	$215.00	$215.00
1122	13709-01	$215.00	$215.00
1123	13710-01	$215.00	$215.00
1124	13711-01	$215.00	$215.00
1125	13712-01	$215.00	$215.00

	A	B	C	D	E	F	G	H	I	J	K	L
1126	GLC13713	095/17A	30-May-13	20495 Pennsylvania	Abi/Alma	TBAR	30-May-13	17423 West Jefferson	56	87,567	39.720	ALGER
1127	GLC13714	35/35A	30-May-13	20495 Pennsylvania	Abi/Alma	TBAR	30-May-13	17423 West Jefferson	56	87,563	39.718	ALGER
1128	GLC13757	111/2139A	30-May-13	7900 N. Haggerty	Sha	SOW	30-May-13	20495 Pennsylvania	54	87,155	39.533	ALGER
1129	GLC13758	35/35A	30-May-13	7900 N. Haggerty	Sha	SOW	30-May-13	20495 Pennsylvania	53	86,589	39.276	ALGER
1130	GLC13759	7982/2141A	30-May-13	7900 N. Haggerty	Sha	SOW	30-May-13	20495 Pennsylvania	54	87,215	39.560	Alger
1131	GLC13760	095/17A	30-May-13	7900 N. Haggerty	Sha	SOW	30-May-13	20495 Pennsylvania	54	87,793	39.822	ALGER
1132	GLC13761	35/35A	30-May-13	7900 N. Haggerty	Sha	SOW	30-May-13	20495 Pennsylvania	54	87,751	39.803	ALGER
1133	GLC13762	111/2139A	30-May-13	7900 N. Haggerty	Sha	SOW	30-May-13	20495 Pennsylvania	54	87,843	39.845	ALGER
1134	GLC13847	093/9941AB	30-May-13	8650 Mt. Elliott	Alouette	SOW	30-May-13	1200 E. McNichols	55	86,851	39.395	Classic Cartage
1135	GLC13848	520/611B	30-May-13	8650 Mt. Elliott	Alouette/Ormet	SOW	30-May-13	1200 E. McNichols	57	87,602	39.736	Classic Cartage
1136	GLC13849	4/4B	30-May-13	8650 Mt. Elliott	Ormet	SOW	30-May-13	1200 E. McNichols	62	87,216	39.561	Classic Cartage
1137	GLC13850	4/4B	30-May-13	8650 Mt. Elliott	Ormel	SOW	30-May-13	1200 E. McNichols	60	87,296	39.597	Classic Cartage
1138	GLC13851	93	30-May-13	8650 Mt. Elliott	Ormet	SOW	30-May-13	1200 E. McNichols	62	86,790	39.367	Classic Cartage
1139	GLC13852	6/806	30-May-13	8650 Mt. Elliott	Sha/Ormet	SOW	30-May-13	1200 E. McNichols	58	87,657	39.761	Classic Cartage
1140	GLC13853	6/806	30-May-13	8650 Mt. Elliott	Sha	SOW	30-May-13	1200 E. McNichols	54	87,484	39.682	Classic Cartage
1141	GLC13854	520/611B	30-May-13	8650 Mt. Elliott	Sha	SOW	30-May-13	1200 E. McNichols	54	87,454	39.669	Classic Cartage
1142	GLC14124	77/77B	30-May-13	3801 West Jefferson	Alcan	TBAR	30-May-13	4815 Cabot	57	87,032	39.477	Classic Cartage
1143	GLC14125	1569/204	30-May-13	3801 West Jefferson	Alcan	TBAR	30-May-13	4815 Cabot	57	87,015	39.469	Classic Cartage
1144	GLC14126	77/77B	30-May-13	3801 West Jefferson	Alcan	TBAR	30-May-13	4815 Cabot	57	87,158	39.534	Classic Cartage
1145	GLC14127	1569/204	30-May-13	3801 West Jefferson	Alcan/Abcq	TBAR	30-May-13	4815 Cabot	58	87,320	39.608	Classic Cartage
1146	GLC14128	108/808	30-May-13	3801 West Jefferson	Abcq	TBAR	30-May-13	4815 Cabot	61	87,061	39.490	Classic Cartage
1147	GLC14410	15097B	30-May-13	160 Visger	Alcoa	SOW	30-May-13	1725 Cicotte	63	87,660	39.762	Classic Cartage
1148	GLC14411	96/403	30-May-13	160 Visger	Alcoa	SOW	30-May-13	1725 Cicotte	62	87,448	39.666	Classic Cartage
1149	GLC14412	15097AB	30-May-13	160 Visger	Alcoa	SOW	30-May-13	1725 Cicotte	62	87,313	39.605	Classic Cartage
1150	GLC14413	96/403	30-May-13	160 Visger	Alcoa/Gbaie	SOW	30-May-13	1725 Cicotte	58	87,952	39.894	Classic Cartage
1151	GLC14414	415/309	30-May-13	160 Visger	Gbaie	SOW	30-May-13	1725 Cicotte	57	87,055	39.488	Classic Cartage
1152	GLC14415	15097AB	30-May-13	160 Visger	Gbaie/Abcq	SOW/TBAR	30-May-13	1725 Cicotte	57	86,750	39.349	Classic Cartage
1153	GLC14416	96/403	30-May-13	160 Visger	Abcq/Alcan	TBAR/SOW	30-May-13	1725 Cicotte	54	81,866	37.134	Classic Cartage
1154	GLC14550	405	30-May-13	17423 West Jefferson	Ormet	SOW	30-May-13	7900 Haggerty	61	87,262	39.581	Classic Cartage
1155	GLC14592	095/17A	30-May-13	17423 West Jefferson	Alcan	SOW	30-May-13	7900 Haggerty	65	87,889	39.866	Classic Cartage
1156	GLC14593	80	30-May-13	17423 West Jefferson	Alcan	SOW	30-May-13	7900 Haggerty	63	87,586	39.728	Classic Cartage
1157	GLC14594	405	30-May-13	17423 West Jefferson	Alcan	SOW	30-May-13	7900 Haggerty	65	87,538	39.707	Classic Cartage
1158	GLC14595LTL	095/17A	30-May-13	17423 West Jefferson	Alcan	SOW	30-May-13	7900 Haggerty	24	33,266	15.089	Classic Cartage
1159	GLC14834	415/309	30-May-13	1200 E. McNichols	Alcan	SOW	30-May-13	13542 Helen St	60	87,160	39.535	Classic Cartage
1160	GLC14835	04/04B	30-May-13	1200 E. McNichols	Alcan	SOW	30-May-13	13542 Helen St	58	87,676	39.769	Classic Cartage
1161	GLC14836	520/611AB	30-May-13	1200 E. McNichols	Alcan	SOW	30-May-13	13542 Helen St	58	86,630	39.295	Classic Cartage
1162	GLC14837	04/04B	30-May-13	1200 E. McNichols	Alcan	SOW	30-May-13	13542 Helen St	54	86,948	39.439	Classic Cartage
1163	GLC14838	06/806	30-May-13	1200 E. McNichols	Alcan	SOW	30-May-13	13542 Helen St	53	87,743	39.800	Classic Cartage
1164	GLC14839	093/9941AB	30-May-13	1200 E. McNichols	Alcan	SOW	30-May-13	13542 Helen St	60	87,337	39.615	Classic Cartage
1165	GLC14840	415/309	30-May-13	1200 E. McNichols	Alcan	SOW	30-May-13	13542 Helen St	62	87,289	39.594	Classic Cartage
1166	GLC14841	06/806	30-May-13	1200 E. McNichols	Alcan	SOW	30-May-13	13542 Helen St	56	87,937	39.888	Classic Cartage
1167	GLC14842	520/611AB	30-May-13	1200 E. McNichols	Alcan	SOW	30-May-13	13542 Helen St	58	87,257	39.579	Classic Cartage
1168	GLC14843	093/9944AB	30-May-13	1200 E. McNichols	Alcan	SOW	30-May-13	13542 Helen St	59	87,631	39.749	Classic Cartage
1169	GLC15228	108/808	30-May-13	26090 23 Mile Rd	Abcq	TBAR	30-May-13	50703 E Russell	55	86,489	39.231	Classic Cartage
1170	GLC15229	924/5428	30-May-13	26090 23 Mile Rd	Abcq	TBAR	30-May-13	50703 E Russell	55	86,944	39.437	Classic Cartage

	M	N	O
1126	13713-01	$215.00	$215.00
1127	13714-01	$215.00	$215.00
1128	13757-01	$260.00	$260.00
1129	13758-01	$260.00	$260.00
1130	13759-01	$260.00	$260.00
1131	13760-01	$260.00	$260.00
1132	13761-01	$260.00	$260.00
1133	13762-01	$260.00	$260.00
1134	114	$200.00	$200.00
1135	114	$200.00	$200.00
1136	114	$200.00	$200.00
1137	114	$200.00	$200.00
1138	114	$200.00	$200.00
1139	114	$200.00	$200.00
1140	114	$200.00	$200.00
1141	114	$200.00	$200.00
1142	121	$200.00	$200.00
1143	121	$200.00	$200.00
1144	121	$200.00	$200.00
1145	121	$200.00	$200.00
1146	114	$200.00	$200.00
1147	114	$200.00	$200.00
1148	121	$200.00	$200.00
1149	114	$200.00	$200.00
1150	121	$200.00	$200.00
1151	121	$200.00	$200.00
1152	114	$200.00	$200.00
1153	121	$200.00	$200.00
1154	121	$240.00	$240.00
1155	114	$240.00	$240.00
1156	114	$240.00	$240.00
1157	121	$240.00	$240.00
1158	114	$240.00	$240.00
1159	121	$200.00	$200.00
1160	114	$200.00	$200.00
1161	114	$200.00	$200.00
1162	114	$200.00	$200.00
1163	114	$200.00	$200.00
1164	114	$200.00	$200.00
1165	121	$200.00	$200.00
1166	114	$200.00	$200.00
1167	114	$200.00	$200.00
1168	114	$200.00	$200.00
1169	114	$200.00	$200.00
1170	114	$200.00	$200.00

	A	B	C	D	E	F	G	H	I	J	K	L
1171	GLC15230	108/808	30-May-13	26090 23 Mile Rd	Abcq	TBAR	30-May-13	50703 E Russell	55	86,738	39.344	Classic Cartage
1172	GLC15231	924/5428	30-May-13	26090 23 Mile Rd	Abcq	TBAR	30-May-13	50703 E Russell	55	86,944	39.437	Classic Cartage
1173	GLC15232	108/808	30-May-13	26090 23 Mile Rd	Abcq	TBAR	30-May-13	50703 E Russell	55	86,543	39.255	Classic Cartage
1174	GLC15233	924/5428	30-May-13	26090 23 Mile Rd	Abcq	TBAR	30-May-13	50703 E Russell	57	87,285	39.592	Classic Cartage
1175	GLC15234	108/808	30-May-13	26090 23 Mile Rd	Abcq	TBAR	30-May-13	50703 E Russell	57	86,925	39.429	Classic Cartage
1176	GLC15235	924/5428	30-May-13	26090 23 Mile Rd	Abcq	TBAR	30-May-13	50703 E Russell	63	86,667	39.312	Classic Cartage
1177	GLC15236	108/808	30-May-13	26090 23 Mile Rd	Abcq	TBAR	30-May-13	50703 E Russell	62	87,083	39.500	Classic Cartage
1178	GLC15237	924/5428	30-May-13	26090 23 Mile Rd	Abcq	TBAR	30-May-13	50703 E Russell	55	87,062	39.491	Classic Cartage
1179	GLC15684	711/2138	30-May-13	151 Lafayette	Alcan	TBAR	30-May-13	1200 E. McNichols	57	87,233	39.568	ALGER
1180	GLC15685	9934/2144A	30-May-13	151 Lafayette	Alcan	TBAR	30-May-13	1200 E. McNichols	57	87,312	39.604	ALGER
1181	GLC15686	2149/2149A	30-May-13	151 Lafayette	Alcan	TBAR	30-May-13	1200 E. McNichols	57	87,331	39.613	ALGER
1182	GLC15687	9934/2144A	30-May-13	151 Lafayette	Alcan	TBAR	30-May-13	1200 E. McNichols	57	87,288	39.593	ALGER
1183	GLC15688	2149/2149A	30-May-13	151 Lafayette	Alcan	TBAR	30-May-13	1200 E. McNichols	57	87,192	39.550	ALGER
1184	GLC15689	108/2148A	30-May-13	151 Lafayette	Alcan	TBAR	30-May-13	1200 E. McNichols	57	87,207	39.556	ALGER
1185	GLC15690	711/2138A	30-May-13	151 Lafayette	Alcan	TBAR	30-May-13	1200 E. McNichols	57	87,191	39.549	ALGER
1186	GLC15691	2149/2149A	30-May-13	151 Lafayette	Alcan	TBAR	30-May-13	1200 E. McNichols	57	87,322	39.609	ALGER
1187	GLC15692	9934/2144A	30-May-13	151 Lafayette	Alcan	TBAR	30-May-13	1200 E. McNichols	57	87,289	39.594	ALGER
1188	GLC15693	634/634A	30-May-13	151 Lafayette	Alcan	TBAR	30-May-13	1200 E. McNichols	57	87,356	39.624	ALGER
1189	GLC15694	711/2138A	30-May-13	151 Lafayette	Alcan	TBAR	30-May-13	1200 E. McNichols	57	86,990	39.458	ALGER
1190	GLC13763	108/2140A	31-May-13	7900 N. Haggerty	Sha	SOW	31-May-13	20495 Pennsylvania	54	87,857	39.851	ALGER
1191	GLC13764	2132/111-112	31-May-13	7900 N. Haggerty	Sha	SOW	31-May-13	20495 Pennsylvania	54	87,713	39.786	ALGER
1192	GLC13765	108/2140A	31-May-13	7900 N. Haggerty	Sha	SOW	31-May-13	20495 Pennsylvania	54	87,413	39.650	ALGER
1193	GLC13766	2132/111-112	31-May-13	7900 N. Haggerty	Sha	SOW	31-May-13	20495 Pennsylvania	54	87,513	39.695	ALGER
1194	GLC13855	33/080	31-May-13	8650 Mt. Elliott	Sha/Ormet	SOW	31-May-13	1200 E. McNichols	56	87,760	39.807	Classic Cartage
1195	GLC13857	6/806	31-May-13	8650 Mt. Elliott	Ormet	SOW	31-May-13	1200 E. McNichols	59	87,914	39.877	Classic Cartage
1196	GLC13858	093/9941AB	31-May-13	8650 Mt. Elliott	Ormet/Alouette	SOW	31-May-13	1200 E. McNichols	58	86,729	39.340	Classic Cartage
1197	GLC13859	415	31-May-13	8650 Mt. Elliott	Alouette	SOW	31-May-13	1200 E. McNichols	55	86,552	39.259	Classic Cartage
1198	GLC13860	924/5428	31-May-13	8650 Mt. Elliott	Alouette	SOW	31-May-13	1200 E. McNichols	55	86,488	39.230	Classic Cartage
1199	GLC13861	415/309	31-May-13	8650 Mt. Elliott	Alouette	SOW	31-May-13	1200 E. McNichols	55	87,689	39.775	Classic Cartage
1200	GLC13862	093/9941AB	31-May-13	8650 Mt. Elliott	Alouette	SOW	31-May-13	1200 E. McNichols	55	86,478	39.226	Classic Cartage
1201	GLC13950	095/17A	31-May-13	4815 Cabot	Alouette	ING	31-May-13	6490 Lynch	38	87,865	39.855	ALGER
1202	GLC13951	095/17A	31-May-13	4815 Cabot	Alouette	ING	31-May-13	6490 Lynch	37	85,854	38.943	ALGER
1203	GLC13952	095/17A	31-May-13	4815 Cabot	Alouette	ING	31-May-13	6490 Lynch	38	87,297	39.597	ALGER
1204	GLC13953	35/35A	31-May-13	4815 Cabot	Alouette	ING	31-May-13	6490 Lynch	37	85,602	38.828	ALGER
1205	GLC13954	7982/12401A	31-May-13	4815 Cabot	Alouette	ING	31-May-13	6490 Lynch	37	86,349	39.167	Alger
1206	GLC13955	7982/12401A	31-May-13	4815 Cabot	Alouette	ING	31-May-13	6490 Lynch	38	87,202	39.554	Alger
1207	GLC13956	7982/1241A	31-May-13	4815 Cabot	Alouette/Abcq	ING/TBAR	31-May-13	6490 Lynch	51	86,761	39.354	Alger
1208	GLC13957	2132/111-112	31-May-13	4815 Cabot	Abcq	TBAR	31-May-13	6490 Lynch	55	86,493	39.233	ALGER
1209	GLC14129	1569/204	31-May-13	3801 West Jefferson	Abcq	TBAR	31-May-13	13542 Helen St	61	87,455	39.669	Classic Cartage
1210	GLC14130	77/77B	31-May-13	3801 West Jefferson	Abcq	TBAR	31-May-13	13542 Helen St	61	87,393	39.641	Classic Cartage
1211	GLC14131	1569/204	31-May-13	3801 West Jefferson	Abcq	TBAR	31-May-13	13542 Helen St	62	87,524	39.700	Classic Cartage
1212	GLC14132	77/77B	31-May-13	3801 West Jefferson	Abcq	TBAR	31-May-13	13542 Helen St	61	87,919	39.879	Classic Cartage
1213	GLC14133	108/808	31-May-13	3801 West Jefferson	Abcq	TBAR	31-May-13	13542 Helen St	60	87,066	39.493	Classic Cartage
1214	GLC14157	111/2133A	31-May-13	6307 West Fort St.	Alcoa	SOW	31-May-13	9450 Buffalo	62	87,074	39.496	ALGER
1215	GLC14158	111/2133A	31-May-13	6307 West Fort St.	Alcoa/Abcq	SOW/TBAR	31-May-13	9450 Buffalo	62	86,874	39.405	ALGER

	M	N	O
1171	114	$200.00	$200.00
1172	114	$200.00	$200.00
1173	114	$200.00	$200.00
1174	114	$200.00	$200.00
1175	114	$200.00	$200.00
1176	114	$200.00	$200.00
1177	114	$200.00	$200.00
1178	114	$200.00	$200.00
1179	15684-01	$260.00	$260.00
1180	15685-01	$260.00	$260.00
1181	15686-02	$260.00	$260.00
1182	15687-01	$260.00	$260.00
1183	15688-01	$260.00	$260.00
1184	15689-01	$260.00	$260.00
1185	15690-01	$260.00	$260.00
1186	15691-01	$260.00	$260.00
1187	15692-01	$260.00	$260.00
1188	15693-01	$260.00	$260.00
1189	15694-01	$260.00	$260.00
1190	13763-01	$260.00	$260.00
1191	13764-01	$260.00	$260.00
1192	13765-01	$260.00	$260.00
1193	13766-01	$260.00	$260.00
1194	114	$200.00	$200.00
1195	114	$200.00	$200.00
1196	114	$200.00	$200.00
1197	121	$200.00	$200.00
1198	114	$200.00	$200.00
1199	121	$200.00	$200.00
1200	114	$200.00	$200.00
1201	13950-01	$470.00	$470.00
1202	13951-01	$235.00	$235.00
1203	13952-01	$235.00	$235.00
1204	13953-01	$235.00	$235.00
1205	13954-01	$235.00	$235.00
1206	13955-01	$235.00	$235.00
1207	13956-01	$235.00	$235.00
1208	13957-01	$235.00	$235.00
1209	121	$200.00	$200.00
1210	121	$200.00	$200.00
1211	121	$200.00	$200.00
1212	121	$200.00	$200.00
1213	114	$200.00	$200.00
1214	14157-01	$225.00	$225.00
1215	14158-01	$225.00	$225.00

	A	B	C	D	E	F	G	H	I	J	K	L
1216	GLC14159	535/300	31-May-13	6307 West Fort St	Abcq	TBAR	31-May-13	9450 Buffalo	61	87,476	39.678	Alger
1217	GLC14160	535/300	31-May-13	6307 West Fort St.	Abcq	TBAR	31-May-13	9450 Buffalo	61	87,642	39.754	Alger
1218	GLC14161		31-May-13	6307 West Fort St	Abcq	TBAR	31-May-13	9450 Buffalo	61	87,577	39.724	ALGER
1219	GLC14162		31-May-13	6307 West Fort St.	Abcq	TBAR	31-May-13	9450 Buffalo	61	87,261	39.581	ALGER
1220	GLC14163		31-May-13	6307 West Fort St.	Abcq	TBAR	31-May-13	9450 Buffalo	56	86,669	39.312	ALGER
1221	GLC14164		31-May-13	6307 West Fort St.	Abcq	TBAR	31-May-13	9450 Buffalo	55	86,737	39.343	ALGER
1222	GLC14596	4B	31-May-13	17423 West Jefferson	Abcq/Alcan	TBAR/SOW	31-May-13	20495 Pennsylvania	58	87,210	39.558	Classic Cartage
1223	GLC14597	4B	31-May-13	17423 West Jefferson	Alcan	SOW	31-May-13	20495 Pennsylvania	57	86,830	39.385	Classic Cartage
1224	GLC14598	4B	31-May-13	17423 West Jefferson	Abcq/Alcan	TBAR/SOW	31-May-13	20495 Pennsylvania	60	86,587	39.275	Classic Cartage
1225	GLC14599	15097	31-May-13	17423 West Jefferson	Abcq/Alcan	TBAR/SOW	31-May-13	20495 Pennsylvania	60	86,670	39.313	Classic Cartage
1226	GLC14844	06/866	31-May-13	1200 E. McNichols	Alcan	SOW	31-May-13	8650 Mt Elliott	59	86,626	39.293	Classic Cartage
1227	GLC14845	415/309	31-May-13	1200 E. McNichols	Alcan	SOW	31-May-13	13542 Helen St	58	87,414	39.650	Classic Cartage
1228	GLC14846	33/080	31-May-13	1200 E. McNichols	Alcan	SOW	31-May-13	8650 Mt Elliott	54	86,835	39.388	Classic Cartage
1229	GLC14847	093/9941AB	31-May-13	1200 E. McNichols	Alcan	SOW	31-May-13	13542 Helen St	64	87,716	39.787	Classic Cartage
1230	GLC14848	924/5428	31-May-13	1200 E. McNichols	Alcan	SOW	31-May-13	13542 Helen St	60	87,123	39.518	Classic Cartage
1231	GLC14849	96/403	31-May-13	1200 E. McNichols	Alcan	SOW	31-May-13	13542 Helen St	52	86,752	39.350	Classic Cartage
1232	GLC14850	415/309	31-May-13	1200 E. McNichols	Alcan	SOW	31-May-13	13542 Helen St	59	87,707	39.783	Classic Cartage
1233	GLC14851	33/080	31-May-13	1200 E. McNichols	Alcan	SOW	31-May-13	13542 Helen St	57	87,332	39.613	Classic Cartage
1234	GLC14852	093/9941AB	31-May-13	1200 E. McNichols	Alcan	SOW	31-May-13	8650 Mt Elliott	57	86,535	39.252	Classic Cartage
1235	GLC14853	96/403	31-May-13	1200 E. McNichols	Alcan	SOW	31-May-13	13542 Helen St	61	87,283	39.591	Classic Cartage
1236	GLC15238	108/808	31-May-13	26090 23 Mile Rd	Abcq	TBAR	31-May-13	50703 E Russell	55	87,932	39.885	Classic Cartage
1237	GLC15239	924/5428	31-May-13	26090 23 Mile Rd	Abcq	TBAR	31-May-13	50703 E Russell	55	87,691	39.776	Classic Cartage
1238	GLC15240	108/808	31-May-13	26090 23 Mile Rd	Abcq	TBAR	31-May-13	50703 E Russell	58	87,936	39.887	Classic Cartage
1239	GLC15241	924/5428	31-May-13	26090 23 Mile Rd	Abcq	TBAR	31-May-13	50703 E Russell	59	87,777	39.815	Classic Cartage
1240	GLC15242	108/808	31-May-13	26090 23 Mile Rd	Abcq	TBAR	31-May-13	50703 E Russell	58	87,199	39.553	Classic Cartage
1241	GLC15243	924/5428	31-May-13	26090 23 Mile Rd	Abcq	TBAR	31-May-13	50703 E Russell	59	87,738	39.797	Classic Cartage
1242	GLC15244	108/808	31-May-13	26090 23 Mile Rd	Abcq	TBAR	31-May-13	50703 E Russell	58	86,745	39.347	Classic Cartage
1243	GLC15245	924/5428	31-May-13	26090 23 Mile Rd	Abcq	TBAR	31-May-13	50703 E Russell	60	86,911	39.422	Classic Cartage
1244	GLC15246	108/808	31-May-13	26090 23 Mile Rd	Abcq	TBAR	31-May-13	50703 E Russell	51	87,894	39.868	Classic Cartage
1245	GLC15247	924/5428	31-May-13	26090 23 Mile Rd	Abcq	TBAR	31-May-13	50703 E Russell	55	86,774	39.360	Classic Cartage
1246	GLC15695	711/2138A	31-May-13	151 Lafayette	Alcan	TBAR	31-May-13	1200 E. McNichols	57	87,043	39.482	ALGER
1247	GLC15696	78/2147A	31-May-13	151 Lafayette	Alcan	TBAR	31-May-13	1200 E. McNichols	55	87,788	39.820	ALGER
1248	GLC15697	711/2138A	31-May-13	151 Lafayette	Alcan	TBAR	31-May-13	1200 E. McNichols	56	86,527	39.248	ALGER
1249	GLC15698	9934/2144A	31-May-13	151 Lafayette	Alcan	TBAR	31-May-13	1200 E. McNichols	57	87,141	39.527	ALGER
1250	GLC15699	2149/2149A	31-May-13	151 Lafayette	Alcan	TBAR	31-May-13	1200 E. McNichols	57	87,116	39.515	ALGER
1251	GLC15700	634/2139A	31-May-13	151 Lafayette	Alcan	TBAR	31-May-13	1200 E. McNichols	57	87,705	39.782	ALGER
1252	GLC15701	2149/2149A	31-May-13	151 Lafayette	Alcan	TBAR	31-May-13	1200 E. McNichols	52	87,007	39.456	ALGER
1253	GLC15702	634/2139A	31-May-13	151 Lafayette	Alcan	TBAR	31-May-13	1200 E. McNichols	52	86,662	39.309	ALGER
1254	GLC15703	78/2147A	31-May-13	151 Lafayette	Alcan	TBAR	31-May-13	1200 E. McNichols	52	86,613	39.287	ALGER
1255	GLC15704	Cant read	31-May-13	151 Lafayette	Dubuo	TBAR	31-May-13	1200 E. McNichols	57	87,105	39.510	ALGER
1256	GLC15705	2149/2149A	31-May-13	151 Lafayette	Alcan	TBAR	31-May-13	1200 E. McNichols	52	86,859	39.399	ALGER
1257	GLC15706	634/2139A	31-May-13	151 Lafayette	Alcan	TBAR	31-May-13	1200 E. McNichols	52	86,814	39.378	ALGER
1258	GLC15707	78/2147A	31-May-13	151 Lafayette	Alcan	TBAR	31-May-13	1200 E. McNichols	53	87,682	39.772	ALGER
1259	GLC15708	9934/2144A	31-May-13	151 Lafayette	Alcan	TBAR	31-May-13	1200 E. McNichols	57	87,187	39.547	ALGER
1260	GLC15709	9934/2144A	31-May-13	151 Lafayette	Alcan	TBAR	31-May-13	1200 E. McNichols	57	87,170	39.540	ALGER

	M	N	O
1216	14159-01	$225.00	$225.00
1217	14160-01	$225.00	$225.00
1218	14161-01	$225.00	$225.00
1219	14162-01	$225.00	$225.00
1220	14163-01	$225.00	$225.00
1221	14164-01	$225.00	$225.00
1222	114	$200.00	$200.00
1223	114	$200.00	$200.00
1224	114	$200.00	$200.00
1225	114	$200.00	$200.00
1226	114	$200.00	$200.00
1227	121	$200.00	$200.00
1228	114	$200.00	$200.00
1229	114	$200.00	$200.00
1230	114	$200.00	$200.00
1231	121	$200.00	$200.00
1232	121	$200.00	$200.00
1233	114	$200.00	$200.00
1234	114	$200.00	$200.00
1235	121	$200.00	$200.00
1236	114	$200.00	$200.00
1237	114	$200.00	$200.00
1238	114	$200.00	$200.00
1239	114	$200.00	$200.00
1240	114	$200.00	$200.00
1241	114	$200.00	$200.00
1242	114	$200.00	$200.00
1243	114	$200.00	$200.00
1244	114	$200.00	$200.00
1245	114	$200.00	$200.00
1246	15695-01	$260.00	$260.00
1247	15696-01	$260.00	$260.00
1248	15697-01	$260.00	$260.00
1249	15698-01	$260.00	$260.00
1250	15699-01	$260.00	$260.00
1251	15700-02	$260.00	$260.00
1252	15701-02	$260.00	$260.00
1253	15702-01	$260.00	$260.00
1254	15703-01	$260.00	$260.00
1255	15704-01	$260.00	$260.00
1256	15705-01	$260.00	$260.00
1257	15706-01	$260.00	$260.00
1258	15707-01	$260.00	$260.00
1259	15708-01	$260.00	$260.00
1260	15709-01	$260.00	$260.00

	A	B	C	D	E	F	G	H	I	J	K	L
1261	GLC13767	35/35A	3-Jun-13	7900 N. Haggerty	Sha	SOW	3-Jun-13	20495 Pennsylvania	54	87,954	39.895	Alger
1262	GLC13768	2133/111-112	3-Jun-13	7900 N. Haggerty	Sha	SOW	3-Jun-13	20495 Pennsylvania	54	87,839	39.843	Alger
1263	GLC13769	35/35A	3-Jun-13	7900 N. Haggerty	Sha	SOW	3-Jun-13	20495 Pennsylvania	54	87,255	39.578	Alger
1264	GLC13770	2133/111-112	3-Jun-13	7900 N. Haggerty	Sha/Gbaie	SOW	3-Jun-13	20495 Pennsylvania	54	87,178	39.543	Alger
1265	GLC13856	520/611AB	3-Jun-13	8650 Mt. Elliott	Ormet	SOW	3-Jun-13	1200 E. McNichols	60	86,585	39.274	Classic Cartage
1266	GLC13863	Jun-13	3-Jun-13	8650 Mt. Elliott	Alouette	SOW	3-Jun-13	1200 E. McNichols	55	87,014	39.469	Classic Cartage
1267	GLC13864	924/5428	3-Jun-13	8650 Mt. Elliott	Alouette	SOW	3-Jun-13	1200 E. McNichols	56	87,171	39.540	Classic Cartage
1268	GLC13865	520/611AB	3-Jun-13	8650 Mt. Elliott	Alouette	SOW	3-Jun-13	1200 E. McNichols	55	86,662	39.309	Classic Cartage
1269	GLC13866	Jun-13	3-Jun-13	8650 Mt. Elliott	Alouette	SOW	3-Jun-13	1200 E. McNichols	56	87,435	39.660	Classic Cartage
1270	GLC13867	1569/204	3-Jun-13	8650 Mt. Elliott	Alouette	SOW	3-Jun-13	1200 E. McNichols	55	87,184	39.546	Classic Cartage
1271	GLC13868	96/403	3-Jun-13	8650 Mt. Elliott	Alouette	SOW	3-Jun-13	1200 E. McNichols	56	87,235	39.569	Classic Cartage
1272	GLC13869	415/309	3-Jun-13	8650 Mt. Elliott	Alouette	SOW	3-Jun-13	1200 E. McNichols	55	87,160	39.535	Classic Cartage
1273	GLC13870	924/5428	3-Jun-13	8650 Mt. Elliott	Alouette	SOW	3-Jun-13	1200 E. McNichols	55	86,944	39.437	Classic Cartage
1274	GLC13958	535/200	3-Jun-13	4815 Cabot	Abcq	TBAR	3-Jun-13	6490 Lynch	55	87,021	39.472	ALGER
1275	GLC13959	535/200	3-Jun-13	4815 Cabot	Abcq	TBAR	3-Jun-13	6490 Lynch	58	87,964	39.900	ALGER
1276	GLC13960	535/200	3-Jun-13	4815 Cabot	Abi/Abcq	TBAR	3-Jun-13	6490 Lynch	55	87,126	39.520	ALGER
1277	GLC13961	7982/1241A	3-Jun-13	4815 Cabot	Abi	TBAR	3-Jun-13	6490 Lynch	54	87,831	39.840	Alger
1278	GLC13962	7982/1241A	3-Jun-13	4815 Cabot	Abi	TBAR	3-Jun-13	6490 Lynch	54	87,753	39.804	Alger
1279	GLC13963	7982/1241A	3-Jun-13	4815 Cabot	Abi	TBAR	3-Jun-13	6490 Lynch	58	87,637	39.752	Alger
1280	GLC13964	35/35A	3-Jun-13	4815 Cabot	Abi	TBAR	3-Jun-13	6490 Lynch	54	87,699	39.780	Alger
1281	GLC13965	35/35A	3-Jun-13	4815 Cabot	Abi	TBAR	3-Jun-13	6490 Lynch	54	87,629	39.748	Alger
1282	GLC14134	415/309	3-Jun-13	3801 West Jefferson	Abcq/Ormet	TBAR/SOW	3-Jun-13	4815 Cabot	60	87,870	39.857	Classic Cartage
1283	GLC14135	15097/15097B	3-Jun-13	3801 West Jefferson	Ormet	SOW	3-Jun-13	4815 Cabot	59	87,295	39.596	Classic Cartage
1284	GLC14136	1569/204	3-Jun-13	3801 West Jefferson	Ormet	SOW	3-Jun-13	4815 Cabot	60	86,770	39.358	Classic Cartage
1285	GLC14137	520/611AB	3-Jun-13	3801 West Jefferson	Ormet	SOW	3-Jun-13	4815 Cabot	60	86,801	39.372	Classic Cartage
1286	GLC14138	093/9941AB	3-Jun-13	3801 West Jefferson	Ormet	SOW	3-Jun-13	4815 Cabot	60	87,012	39.468	Classic Cartage
1287	GLC14165	17A	3-Jun-13	6307 West Fort St.	Abcq	TBAR	3-Jun-13	9450 Buffalo	55	86,744	39.346	Alger
1288	GLC14166	2140A	3-Jun-13	6307 West Fort St.	Abcq	TBAR	3-Jun-13	9450 Buffalo	55	87,048	39.484	Alger
1289	GLC14167	2133A	3-Jun-13	6307 West Fort St.	Abcq	TBAR	3-Jun-13	9450 Buffalo	55	86,840	39.390	Alger
1290	GLC14168	2140A	3-Jun-13	6307 West Fort St.	Abcq	TBAR	3-Jun-13	9450 Buffalo	55	86,510	39.240	Alger
1291	GLC14169	95	3-Jun-13	6307 West Fort St.	Abcq	TBAR	3-Jun-13	9450 Buffalo	55	86,585	39.274	Alger
1292	GLC14170	2133A	3-Jun-13	6307 West Fort St.	Abcq	TBAR	3-Jun-13	9450 Buffalo	58	86,958	39.444	Alger
1293	GLC14171	15A	3-Jun-13	6307 West Fort St.	Abcq	TBAR	3-Jun-13	9450 Buffalo	55	86,993	39.459	Alger
1294	GLC14172	2140A	3-Jun-13	6307 West Fort St.	Abcq	TBAR	3-Jun-13	9450 Buffalo	55	86,774	39.360	Alger
1295	GLC14173	111/112	3-Jun-13	6307 West Fort St.	Abcq	TBAR	3-Jun-13	9450 Buffalo	55	86,981	39.454	Alger
1296	GLC14174	2133A	3-Jun-13	6307 West Fort St.	Abcq	TBAR	3-Jun-13	9450 Buffalo	57	87,261	39.581	Alger
1297	GLC14175	2139A	3-Jun-13	6307 West Fort St.	Abcq	TBAR	3-Jun-13	9450 Buffalo	61	87,129	39.521	Alger
1298	GLC14600	4B	3-Jun-13	17423 West Jefferson	Abcq	TBAR	3-Jun-13	20495 Pennsylvania	55	87,047	39.484	Classic Cartage
1299	GLC14601	80	3-Jun-13	17423 West Jefferson	Abcq/Ormet/Alouette	TBAR/SOW	3-Jun-13	20495 Pennsylvania	58	87,776	39.815	Classic Cartage
1300	GLC14602	4B	3-Jun-13	17423 West Jefferson	Ormet/Abcq	SOW/TBAR	3-Jun-13	20495 Pennsylvania	59	86,707	39.330	Classic Cartage
1301	GLC14603	80	3-Jun-13	17423 West Jefferson	Ormet/Abcq	SOW/TBAR	3-Jun-13	20495 Pennsylvania	60	86,699	39.326	Classic Cartage
1302	GLC14604	4B	3-Jun-13	17423 West Jefferson	Ormet/Abcq	SOW/TBAR	3-Jun-13	20495 Pennsylvania	58	86,416	39.198	Classic Cartage
1303	GLC14605	80	3-Jun-13	17423 West Jefferson	Abcq/Alcan	TBAR/SOW	3-Jun-13	20495 Pennsylvania	60	87,473	39.677	Classic Cartage
1304	GLC14854	Jun-13	3-Jun-13	1200 E. McNichols	Alcan	SOW	3-Jun-13	13542 Helen St	61	86,433	39.205	Classic Cartage
1305	GLC14855	924/5428	3-Jun-13	1200 E. McNichols	Alcan	SOW	3-Jun-13	13542 Helen St	58	87,356	39.624	Classic Cartage

	M	N	O
1261	13767-01	$260.00	$260.00
1262	13768-01	$260.00	$260.00
1263	13769-01	$260.00	$260.00
1264	13770-01	$260.00	$260.00
1265	120	$200.00	$200.00
1266	120	$200.00	$200.00
1267	120	$200.00	$200.00
1268	120	$200.00	$200.00
1269	120	$200.00	$200.00
1270	123	$200.00	$200.00
1271	123	$200.00	$200.00
1272	123	$200.00	$200.00
1273	120	$200.00	$200.00
1274	13958-01	$235.00	$235.00
1275	13959-01	$235.00	$235.00
1276	13960-01	$235.00	$235.00
1277	13961-01	$235.00	$235.00
1278	13962-01	$235.00	$235.00
1279	13963-01	$235.00	$236.00
1280	13964-01	$235.00	$235.00
1281	13965-01	$235.00	$235.00
1282	123	$200.00	$200.00
1283	120	$200.00	$200.00
1284	123	$200.00	$200.00
1285	120	$200.00	$200.00
1286	120	$200.00	$200.00
1287	14165-01	$225.00	$225.00
1288	14166-01	$225.00	$225.00
1289	14167-01	$225.00	$225.00
1290	14168-01	$225.00	$225.00
1291	14169-01	$225.00	$225.00
1292	14170-01	$225.00	$225.00
1293	14171-01	$225.00	$225.00
1294	14172-01	$225.00	$225.00
1295	14173-01	$225.00	$225.00
1296	14174-01	$225.00	$225.00
1297	14175-01	$225.00	$225.00
1298	120	$200.00	$200.00
1299	120	$200.00	$200.00
1300	120	$200.00	$200.00
1301	120	$200.00	$200.00
1302	120	$200.00	$200.00
1303	120	$200.00	$200.00
1304	120	$200.00	$200.00
1305	120	$200.00	$200.00

	A	B	C	D	E	F	G	H	I	J	K	L
1306	GLC14856	520/611AB	3-Jun-13	1200 E. McNichols	Alcan	SOW	3-Jun-13	13542 Helen St	55	87,870	39.857	Classic Cartage
1307	GLC14857	Jun-13	3-Jun-13	1200 E. McNichols	Alcan	SOW	3-Jun-13	13542 Helen St	62	87,740	39.798	Classic Cartage
1308	GLC14858	96/403	3-Jun-13	1200 E. McNichols	Alcan	SOW	3-Jun-13	13542 Helen St	60	86,814	39.378	Classic Cartage
1309	GLC14859	415/303	3-Jun-13	1200 E. McNichols	Alcan	SOW	3-Jun-13	13542 Helen St	56	86,598	39.280	Classic Cartage
1310	GLC14860	924/5428	3-Jun-13	1200 E. McNichols	Alcan	SOW	3-Jun-13	13542 Helen St	55	87,744	39.800	Classic Cartage
1311	GLC14861	96/403	3-Jun-13	1200 E. McNichols	Alcan	SOW	3-Jun-13	13542 Helen St	58	87,877	39.860	Classic Cartage
1312	GLC14862	520/611AB	3-Jun-13	1200 E. McNichols	Alcan	SOW	3-Jun-13	13542 Helen St	64	87,061	39.490	Classic Cartage
1313	GLC14863	1569/204	3-Jun-13	1200 E. McNichols	Alcan	SOW	3-Jun-13	13542 Helen St	62	86,705	39.329	Classic Cartage
1314	GLC15248	108/808	3-Jun-13	26090 23 Mile Rd	Abcq	TBAR	3-Jun-13	50703 E Russell	58	86,524	39.247	Classic Cartage
1315	GLC15249	108/808	3-Jun-13	26090 23 Mile Rd	Abcq	TBAR	3-Jun-13	50703 E Russell	55	86,948	39.439	Classic Cartage
1316	GLC15250	093/9941AB	3-Jun-13	26090 23 Mile Rd	Abcq	TBAR	3-Jun-13	50703 E Russell	58	87,515	39.696	Classic Cartage
1317	GLC15251	108/808	3-Jun-13	26090 23 Mile Rd	Abcq	TBAR	3-Jun-13	50703 E Russell	58	87,469	39.675	Classic Cartage
1318	GLC15252	093/9941AB	3-Jun-13	26090 23 Mile Rd	Abcq	TBAR	3-Jun-13	50703 E Russell	59	87,790	39.821	Classic Cartage
1319	GLC15253	108/808	3-Jun-13	26090 23 Mile Rd	Abcq	TBAR	3-Jun-13	50703 E Russell	60	86,678	39.317	Classic Cartage
1320	GLC15254	093/9941AB	3-Jun-13	26090 23 Mile Rd	Abcq	TBAR	3-Jun-13	50703 E Russell	55	86,978	39.453	Classic Cartage
1321	GLC15255	108/808	3-Jun-13	26090 23 Mile Rd	Abcq	TBAR	3-Jun-13	50703 E Russell	55	87,703	39.781	Classic Cartage
1322	GLC15256	093/9941AB	3-Jun-13	26090 23 Mile Rd	Abcq	TBAR	3-Jun-13	50703 E Russell	55	87,813	39.831	Classic Cartage
1323	GLC15257	093/9941AB	3-Jun-13	26090 23 Mile Rd	Abcq	TBAR	3-Jun-13	50703 E Russell	55	86,886	39.411	Classic Cartage
1324	GLC15710	634/2139A	3-Jun-13	151 Lafayette	Alcan	TBAR	3-Jun-13	1200 E. McNichols	57	86,996	39.461	Alger
1325	GLC15711	711/2138A	3-Jun-13	151 Lafayette	Alcan	TBAR	3-Jun-13	1200 E. McNichols	57	87,132	39.522	Alger
1326	GLC15712	9934/2144A	3-Jun-13	151 Lafayette	Alcan	TBAR	3-Jun-13	1200 E. McNichols	57	87,206	39.556	Alger
1327	GLC15713	711/2138A	3-Jun-13	151 Lafayette	Alcan	TBAR	3-Jun-13	1200 E. McNichols	57	87,056	39.488	Alger
1328	GLC15714	9934/2144A	3-Jun-13	151 Lafayette	Alcan	TBAR	3-Jun-13	1200 E. McNichols	57	87,180	39.544	Alger
1329	GLC15715	636/2148	3-Jun-13	151 Lafayette	Alcan	TBAR	3-Jun-13	1200 E. McNichols	57	87,262	39.581	Alger
1330	GLC15716	78/2147A	3-Jun-13	151 Lafayette	Alcan	TBAR	3-Jun-13	1200 E. McNichols	57	87,087	39.502	Alger
1331	GLC15717	2149/2149A	3-Jun-13	151 Lafayette	Alcan	TBAR	3-Jun-13	1200 E. McNichols	57	87,042	39.482	ALGER
1332	GLC15718	711/2138A	3-Jun-13	151 Lafayette	Alcan	TBAR	3-Jun-13	1200 E. McNichols	57	87,041	39.481	Alger
1333	GLC15719	9934/2144	3-Jun-13	151 Lafayette	Alcan	TBAR	3-Jun-13	1200 E. McNichols	57	87,201	39.554	Alger
1334	GLC15720	78/2147A	3-Jun-13	151 Lafayette	Alcan	TBAR	3-Jun-13	1200 E. McNichols	57	87,154	39.532	Alger
1335	GLC15721	2149/2149A	3-Jun-13	151 Lafayette	Alcan	TBAR	3-Jun-13	1200 E. McNichols	57	87,219	39.562	ALGER
1336	GLC15722	711/2138A	3-Jun-13	151 Lafayette	Alcan	TBAR	3-Jun-13	1200 E. McNichols	57	87,482	39.681	Alger
1337	GLC15723	9934/2144A	3-Jun-13	151 Lafayette	Alcan/Abcq	TBAR	3-Jun-13	1200 E. McNichols	57	87,865	39.855	Alger
1338	GLC15724	2149/2149A	3-Jun-13	151 Lafayette	Abcq	TBAR	3-Jun-13	1200 E. McNichols	56	87,818	39.834	ALGER
1339	GLC15725	78/2147A	3-Jun-13	151 Lafayette	Abcq	TBAR	3-Jun-13	1200 E. McNichols	56	86,885	39.410	Alger
1340	GLC13771	35/35A	4-Jun-13	7900 N. Haggerty	Gbaie	SOW	4-Jun-13	20495 Pennsylvania	58	86,606	39.284	Alger
1341	GLC13772	3100/111-112	4-Jun-13	7900 N. Haggerty	Gbaie	SOW	4-Jun-13	20495 Pennsylvania	59	87,363	39.627	Alger
1342	GLC13773	3100/111-112	4-Jun-13	7900 N. Haggerty	Gbaie	SOW	4-Jun-13	20495 Pennsylvania	62	87,109	39.512	Alger
1343	GLC13774	3100/111-112	4-Jun-13	7900 N. Haggerty	Gbaie	SOW	4-Jun-13	20495 Pennsylvania	59	87,295	39.596	Alger
1344	GLC13775	35/35A	4-Jun-13	7900 N. Haggerty	Gbaie	SOW	4-Jun-13	20495 Pennsylvania	58	86,811	39.377	Alger
1345	GLC13776	35/35A	4-Jun-13	7900 N. Haggerty	Gbaie	SOW	4-Jun-13	20495 Pennsylvania	58	87,268	39.584	Alger
1346	GLC13871	620/611AB	4-Jun-13	8650 Mt. Elliott	Alouette	SOW	4-Jun-13	1200 E. McNichols	55	86,853	39.396	Classic Cartage
1347	GLC13872	924/5428	4-Jun-13	8650 Mt. Elliott	Alouete	SOW	4-Jun-13	1200 E. McNichols	55	86,977	39.452	Classic Cartage
1348	GLC13873	Jun-13	4-Jun-13	8650 Mt. Elliott	Abcq/Alouette	TBAR/SOW	4-Jun-13	1200 E. McNichols	56	87,949	39.893	Classic Cartage
1349	GLC13874	520/611AB	4-Jun-13	8650 Mt. Elliott	Abcq	TBAR	4-Jun-13	1200 E. McNichols	62	87,519	39.698	Classic Cartage
1350	GLC13875	Jun-13	4-Jun-13	8650 Mt. Elliott	Abcq	TBAR	4-Jun-13	1200 E. McNichols	57	87,005	39.465	Classic Cartage

	M	N	O
1306	120	$200.00	$200.00
1307	120	$200.00	$200.00
1308	123	$200.00	$200.00
1309	123	$200.00	$200.00
1310	120	$200.00	$200.00
1311	123	$200.00	$200.00
1312	120	$200.00	$200.00
1313	123	$200.00	$200.00
1314	120	$200.00	$200.00
1315	120	$200.00	$200.00
1316	120	$200.00	$200.00
1317	120	$200.00	$200.00
1318	120	$200.00	$200.00
1319	120	$200.00	$200.00
1320	120	$200.00	$200.00
1321	120	$200.00	$200.00
1322	120	$200.00	$200.00
1323	120	$200.00	$200.00
1324	15710-01	$260.00	$260.00
1325	15711-01	$260.00	$260.00
1326	15712-01	$260.00	$260.00
1327	15713-01	$260.00	$260.00
1328	15714-01	$260.00	$260.00
1329	15715-01	$260.00	$260.00
1330	15716-01	$260.00	$260.00
1331	15717-01	$260.00	$260.00
1332	15718-01	$260.00	$260.00
1333	15719-01	$260.00	$260.00
1334	15720-01	$260.00	$260.00
1335	15721-01	$260.00	$260.00
1336	15722-01	$260.00	$260.00
1337	15723-01	$260.00	$260.00
1338	15724-01	$260.00	$260.00
1339	15725-01	$260.00	$260.00
1340	13771-01	$260.00	$260.00
1341	13772-01	$260.00	$260.00
1342	13773-01	$260.00	$260.00
1343	13774-01	$260.00	$260.00
1344	13775-01	$260.00	$260.00
1345	13776-01	$260.00	$260.00
1346	120	$200.00	$200.00
1347	120	$200.00	$200.00
1348	120	$200.00	$200.00
1349	120	$200.00	$200.00
1350	120	$200.00	$200.00

	A	B	C	D	E	F	G	H	I	J	K	L
1351	GLC13876	611/620AB	4-Jun-13	8650 Mt. Elliott	Abcq	TBAR	4-Jun-13	1200 E. McNichols	60	86,866	39.402	Classic Cartage
1352	GLC13877	924/5428	4-Jun-13	8650 Mt. Elliott	Abcq	TBAR	4-Jun-13	1200 E. McNichols	59	87,174	39.542	Classic Cartage
1353	GLC13878LTL	520/611AB	4-Jun-13	8650 Mt. Elliott	Abcq	TBAR	4-Jun-13	1200 E. McNichols	23	36,296	16.464	Classic Cartage
1354	GLC13966	535/200	4-Jun-13	4815 Cabot	Abi	TBAR	4-Jun-13	6490 Lynch	54	87,556	39.715	Alger
1355	GLC13967	111/2133A	4-Jun-13	4815 Cabot	Abi	TBAR	4-Jun-13	6490 Lynch	54	87,617	39.742	Alger
1356	GLC13968	535/200	4-Jun-13	4815 Cabot	Abi/Deschambault	TBAR	4-Jun-13	6490 Lynch	56	86,675	39.315	Alger
1357	GLC13969	535/200	4-Jun-13	4815 Cabot	Deschambault	TBAR	4-Jun-13	6490 Lynch	58	86,764	39.356	Alger
1358	GLC13970	7982/1241A	4-Jun-13	4815 Cabot	Deschambault	TBAR	4-Jun-13	6490 Lynch	58	86,902	39.418	Alger
1359	GLC13971	7982/1241A	4-Jun-13	4815 Cabot	Deschambault/Alcan	TBAR	4-Jun-13	6490 Lynch	58	87,698	39.779	Alger
1360	GLC13972	7982/1241A	4-Jun-13	4815 Cabot	Alcan	TBAR	4-Jun-13	6490 Lynch	57	87,105	39.510	Alger
1361	GLC13973	7982/1241A	4-Jun-13	4815 Cabot	Alcan	TBAR	4-Jun-13	6490 Lynch	57	86,948	39.439	Alger
1362	GLC14139	1569/204	4-Jun-13	3801 West Jefferson	Ormet	SOW	4-Jun-13	4815 Cabot	60	87,306	39.601	Classic Cartage
1363	GLC14140	415/309	4-Jun-13	3801 West Jefferson	Ormet	SOW	4-Jun-13	4815 Cabot	60	87,547	39.711	Classic Cartage
1364	GLC14141	15097/15097B	4-Jun-13	3801 West Jefferson	Ormet	SOW	4-Jun-13	4815 Cabot	60	87,458	39.670	Classic Cartage
1365	GLC14142	1569/204	4-Jun-13	3801 West Jefferson	Ormet	SOW	4-Jun-13	4815 Cabot	60	87,745	39.801	Classic Cartage
1366	GLC14143	4/4B	4-Jun-13	3801 West Jefferson	Ormet	SOW	4-Jun-13	4815 Cabot	60	87,004	39.464	Classic Cartage
1367	GLC14176	2139A	4-Jun-13	6307 West Fort St.	Abcq	TBAR	4-Jun-13	9450 Buffalo	61	87,907	39.874	Alger
1368	GLC14177	2140A	4-Jun-13	6307 West Fort St.	Abcq	TBAR	4-Jun-13	9450 Buffalo	61	87,811	39.830	Alger
1369	GLC14178	2133A	4-Jun-13	6307 West Fort St.	Abcq	TBAR	4-Jun-13	9450 Buffalo	61	86,941	39.436	Alger
1370	GLC14179	2133A	4-Jun-13	6307 West Fort St.	Abcq	TBAR	4-Jun-13	9450 Buffalo	55	86,690	39.322	Alger
1371	GLC14180	35A	4-Jun-13	6307 West Fort St.	Abcq	TBAR	4-Jun-13	9450 Buffalo	55	87,018	39.471	Alger
1372	GLC14181	2139A	4-Jun-13	6307 West Fort St.	Abcq	TBAR	4-Jun-13	9450 Buffalo	55	87,616	39.742	Alger
1373	GLC14182	2140A	4-Jun-13	6307 West Fort St.	Abcq	TBAR	4-Jun-13	9450 Buffalo	55	86,463	39.219	Alger
1374	GLC14183	95	4-Jun-13	6307 West Fort St.	Abcq	TBAR	4-Jun-13	9450 Buffalo	55	87,378	39.634	Alger
1375	GLC14184	2133A	4-Jun-13	6307 West Fort St.	Abcq	TBAR	4-Jun-13	9450 Buffalo	55	87,819	39.834	Alger
1376	GLC14185	2139A	4-Jun-13	6307 West Fort St.	Abcq	TBAR	4-Jun-13	9450 Buffalo	55	87,664	39.764	Alger
1377	GLC14186	2140A	4-Jun-13	6307 West Fort St.	Abcq	TBAR	4-Jun-13	9450 Buffalo	55	86,980	39.454	Alger
1378	GLC14606	80	4-Jun-13	17423 West Jefferson	Abcq/Alcan	TBAR/SOW	4-Jun-13	20495 Pennsylvania	57	87,888	39.865	Classic Cartage
1379	GLC14607	4B	4-Jun-13	17423 West Jefferson	Abcq/ME Alcoa	TBAR/SOW	4-Jun-13	20495 Pennsylvania	61	87,135	39.524	Classic Cartage
1380	GLC14608	80	4-Jun-13	17423 West Jefferson	ME Alcoa/Alcan	SOW	4-Jun-13	20495 Pennsylvania	65	87,565	39.719	Classic Cartage
1381	GLC14609	4B	4-Jun-13	17423 West Jefferson	Alcan	SOW	4-Jun-13	20495 Pennsylvania	60	87,468	39.675	Classic Cartage
1382	GLC14610	80	4-Jun-13	17423 West Jefferson	Abcq/Alcan	TBAR/SOW	4-Jun-13	20495 Pennsylvania	57	86,618	39.289	Classic Cartage
1383	GLC14864	924/5428	4-Jun-13	1200 E. McNichols	Alcan	SOW	4-Jun-13	13542 Helen St	61	89,995	40.821	Classic Cartage
1384	GLC14865	620/611AB	4-Jun-13	1200 E. McNichols	Alcoa	SOW	4-Jun-13	13542 Helen St	60	86,572	39.268	Classic Cartage
1385	GLC14866	Jun-13	4-Jun-13	1200 E. McNichols	Alcoa	SOW	4-Jun-13	13542 Helen St	63	87,381	39.635	Classic Cartage
1386	GLC14867	520/520AB	4-Jun-13	1200 E. McNichols	Alcoa	SOW	4-Jun-13	13542 Helen St	63	86,700	39.327	Classic Cartage
1387	GLC14868	924/5428	4-Jun-13	1200 E. McNichols	Alcoa/Alma	SOW	4-Jun-13	13542 Helen St	65	86,644	39.301	Classic Cartage
1388	GLC14871	Jun-13	4-Jun-13	1200 E. McNichols	Alma	SOW	4-Jun-13	13542 Helen St	68	87,041	39.481	Classic Cartage
1389	GLC14872	620/611AB	4-Jun-13	1200 E. McNichols	Alma	SOW	4-Jun-13	13542 Helen St	65	86,938	39.434	Classic Cartage
1390	GLC14873	520/520AB	4-Jun-13	1200 E. McNichols	Alma	SOW	4-Jun-13	13542 Helen St	69	87,509	39.693	Classic Cartage
1391	GLC14874	620/611AB	4-Jun-13	1200 E. McNichols	Alma	SOW	4-Jun-13	8650 Mt Elliott	63	87,171	39.540	Classic Cartage
1392	GLC14875	924/5428	4-Jun-13	1200 E. McNichols	Alma	SOW	4-Jun-13	8650 Mt Elliott	63	87,365	39.628	Classic Cartage
1393	GLC15258	093/9941AB	4-Jun-13	26090 23 Mile Rd	Abcq	TBAR	4-Jun-13	50703 E Russell	55	86,915	39.424	Classic Cartage
1394	GLC15259	108/808	4-Jun-13	26090 23 Mile Rd	Abcq	TBAR	4-Jun-13	50703 E Russell	58	87,687	39.774	Classic Cartage
1395	GLC15260	093/9941AB	4-Jun-13	26090 23 Mile Rd	Abcq	TBAR	4-Jun-13	50703 E Russell	56	87,416	39.651	Classic Cartage

	M	N	O
1351	120	$200.00	$200.00
1352	120	$200.00	$200.00
1353	120	$200.00	$200.00
1354	13966-01	$235.00	$235.00
1355	13967-01	$235.00	$235.00
1356	13968-01	$235.00	$235.00
1357	13969-01	$235.00	$235.00
1358	13970-01	$235.00	$235.00
1359	13971-01	$235.00	$235.00
1360	13972-01	$235.00	$235.00
1361	13973-01	$235.00	$235.00
1362	123	$200.00	$200.00
1363	123	$200.00	$200.00
1364	120	$200.00	$200.00
1365	123	$200.00	$200.00
1366	120	$200.00	$200.00
1367	14176-01	$225.00	$225.00
1368	14177-01	$225.00	$225.00
1369	14178-01	$225.00	$225.00
1370	14179-01	$225.00	$225.00
1371	14180-01	$225.00	$225.00
1372	14181-01	$225.00	$225.00
1373	14182-01	$225.00	$225.00
1374	14183-01	$225.00	$225.00
1375	14184-01	$225.00	$225.00
1376	14185-01	$225.00	$225.00
1377	14186-01	$225.00	$225.00
1378	120	$200.00	$200.00
1379	120	$200.00	$200.00
1380	120	$200.00	$200.00
1381	120	$200.00	$200.00
1382	120	$200.00	$200.00
1383	120	$200.00	$200.00
1384	120	$200.00	$200.00
1385	120	$200.00	$200.00
1386	120	$200.00	$200.00
1387	120	$200.00	$200.00
1388	120	$200.00	$200.00
1389	120	$200.00	$200.00
1390	120	$200.00	$200.00
1391	120	$200.00	$200.00
1392	120	$200.00	$200.00
1393	120	$200.00	$200.00
1394	120	$200.00	$200.00
1395	120	$200.00	$200.00

	A	B	C	D	E	F	G	H	I	J	K	L
1396	GLC15261	108/808	4-Jun-13	26090 23 Mile Rd	Abcq	TBAR	4-Jun-13	50703 E Russell	55	87,461	39.672	Classic Cartage
1397	GLC15262	093/9941AB	4-Jun-13	26090 23 Mile Rd	Abcq	TBAR	4-Jun-13	50703 E Russell	55	86,903	39.419	Classic Cartage
1398	GLC15263	108/808	4-Jun-13	26090 23 Mile Rd	Abcq	TBAR	4-Jun-13	50703 E Russell	55	86,767	39.357	Classic Cartage
1399	GLC15264	093/9941AB	4-Jun-13	26090 23 Mile Rd	Abcq	TBAR	4-Jun-13	50703 E Russell	55	86,697	39.325	Classic Cartage
1400	GLC15265	108/808	4-Jun-13	26090 23 Mile Rd	Abcq	TBAR	4-Jun-13	50703 E Russell	55	86,885	39.410	Classic Cartage
1401	GLC15266	093/9941AB	4-Jun-13	26090 23 Mile Rd	Abcq	TBAR	4-Jun-13	50703 E Russell	55	86,654	39.306	Classic Cartage
1402	GLC15267	108/808	4-Jun-13	26090 23 Mile Rd	Abcq	TBAR	4-Jun-13	50703 E Russell	57	87,931	39.885	Classic Cartage
1403	GLC15726	711/2138A	4-Jun-13	151 Lafayette	Abcq	TBAR	4-Jun-13	1200 E. McNichols	56	87,784	39.818	Alger
1404	GLC15727	9934/2144A	4-Jun-13	151 Lafayette	Abcq	TBAR	4-Jun-13	1200 E. McNichols	58	87,162	39.536	Alger
1405	GLC15728	2149/2149A	4-Jun-13	151 Lafayette	Abcq	TBAR	4-Jun-13	1200 E. McNichols	56	87,307	39.602	Alger
1406	GLC15729	78/2147A	4-Jun-13	151 Lafayette	Abcq	TBAR	4-Jun-13	1200 E. McNichols	55	86,561	39.263	Alger
1407	GLC15730	711/2138A	4-Jun-13	151 Lafayette	Abcq	TBAR	4-Jun-13	1200 E. McNichols	58	87,365	39.628	Alger
1408	GLC15731	9934/2144A	4-Jun-13	151 Lafayette	Abcq	TBAR	4-Jun-13	1200 E. McNichols	58	87,599	39.734	Alger
1409	GLC15732	2149/2149A	4-Jun-13	151 Lafayette	Abcq	TBAR	4-Jun-13	1200 E. McNichols	58	87,802	39.826	Alger
1410	GLC15733	78/2147A	4-Jun-13	151 Lafayette	Abcq	TBAR	4-Jun-13	1200 E. McNichols	59	86,510	39.240	Alger
1411	GLC15734	711/2138A	4-Jun-13	151 Lafayette	Abcq	TBAR	4-Jun-13	1200 E. McNichols	59	87,182	39.545	Alger
1412	GLC15735	9934/2144A	4-Jun-13	151 Lafayette	Abcq	TBAR	4-Jun-13	1200 E. McNichols	62	87,699	39.780	Alger
1413	GLC15736	2149/2149A	4-Jun-13	151 Lafayette	Abcq	TBAR	4-Jun-13	1200 E. McNichols	61	86,925	39.429	Alger
1414	GLC15737	78/2147A	4-Jun-13	151 Lafayette	Abcq	TBAR	4-Jun-13	1200 E. McNichols	58	87,043	39.482	Alger
1415	GLC15738	711/2138A	4-Jun-13	151 Lafayette	Abcq	TBAR	4-Jun-13	1200 E. McNichols	58	87,903	39.872	Alger
1416	GLC15739	9934/2144A	4-Jun-13	151 Lafayette	Abcq	TBAR	4-Jun-13	1200 E. McNichols	60	86,727	39.339	Alger
1417	GLC13777	311/111-112	5-Jun-13	7900 N. Haggerty	Gbaie	SOW	5-Jun-13	20495 Pennsylvania	58	87,310	39.603	Alger
1418	GLC13778	1186/1406	5-Jun-13	7900 N. Haggerty	Gbaie	SOW	5-Jun-13	20495 Pennsylvania	58	86,635	39.297	Alger
1419	GLC13779	311/111-112	5-Jun-13	7900 N. Haggerty	Gbaie	SOW	5-Jun-13	20495 Pennsylvania	59	87,402	39.645	Alger
1420	GLC13780	1186/1406	5-Jun-13	7900 N. Haggerty	Gbaie/Alouette	SOW	5-Jun-13	20495 Pennsylvania	56	87,353	39.623	Alger
1421	GLC13781	311/111-112	5-Jun-13	7900 N. Haggerty	Alouette	SOW	5-Jun-13	20495 Pennsylvania	55	86,553	39.260	Alger
1422	GLC13782	1186/1406	5-Jun-13	7900 N. Haggerty	Alouette/Abi	TBAR/SOW	5-Jun-13	20495 Pennsylvania	56	87,493	39.686	Alger
1423	GLC13783LTL	634/2139A	5-Jun-13	7900 N. Haggerty	Abi	TBAR	5-Jun-13	20495 Pennsylvania	29	42,223	19.152	Alger
1424	GLC13974	7982/1241A	5-Jun-13	4815 Cabot	Alcan	TBAR	5-Jun-13	6490 Lynch	57	87,361	39.626	Alger
1425	GLC13975	535/200	5-Jun-13	4815 Cabot	Alcan	TBAR	5-Jun-13	6490 Lynch	57	87,147	39.529	Alger
1426	GLC13976	535/200	5-Jun-13	4815 Cabot	Alcan/Gbaie	TBAR/SOW	5-Jun-13	6490 Lynch	57	86,617	39.289	Alger
1427	GLC13977	7982/1241A	5-Jun-13	4815 Cabot	Gbaie	SOW	5-Jun-13	6490 Lynch	58	87,509	39.693	Alger
1428	GLC13978	535/200	5-Jun-13	4815 Cabot	Gbaie	SOW	5-Jun-13	6490 Lynch	59	87,268	39.584	Alger
1429	GLC13979	7982/1241A	5-Jun-13	4815 Cabot	Gbaie	SOW	5-Jun-13	6490 Lynch	60	87,206	39.556	Alger
1430	GLC13980	35/35A	5-Jun-13	4815 Cabot	Gbaie	SOW	5-Jun-13	6490 Lynch	59	87,522	39.699	Alger
1431	GLC13981	35/35A	5-Jun-13	4815 Cabot	Gbaie/Alcan	SOW	5-Jun-13	6490 Lynch	59	87,684	39.773	Alger
1432	GLC14144	1569/204	5-Jun-13	3801 West Jefferson	Ormet	SOW	5-Jun-13	4815 Cabot	59	86,811	39.377	Classic Cartage
1433	GLC14145	924/5428	5-Jun-13	3801 West Jefferson	Ormet/Alcoa Massena East	SOW	5-Jun-13	4815 Cabot	64	87,121	39.517	Classic Cartage
1434	GLC14146	15097/15097A	5-Jun-13	3801 West Jefferson	Alcoa Massena East	SOW	5-Jun-13	4815 Cabot	67	87,585	39.728	Classic Cartage
1435	GLC14147	1569/204	5-Jun-13	3801 West Jefferson	Alcan/Alcoa Massena East	SOW	5-Jun-13	4815 Cabot	61	87,679	39.771	Classic Cartage
1436	GLC14148	4/4B	5-Jun-13	3801 West Jefferson	Alcan	SOW	5-Jun-13	4815 Cabot	61	87,014	39.469	Classic Cartage
1437	GLC14149	620/611AB	5-Jun-13	3801 West Jefferson	Alcan	SOW	5-Jun-13	4815 Cabot	64	86,987	39.457	Classic Cartage
1438	GLC14187	2133A	5-Jun-13	6307 West Fort St.	Abcq	TBAR	5-Jun-13	9450 Buffalo	55	87,059	39.489	Alger
1439	GLC14188	95	5-Jun-13	6307 West Fort St.	Abcq	TBAR	5-Jun-13	9450 Buffalo	55	87,070	39.494	Alger
1440	GLC14189	2140A	5-Jun-13	6307 West Fort St.	Abcq	TBAR	5-Jun-13	9450 Buffalo	55	87,534	39.705	Alger

	M	N	O
1396	120	$200.00	$200.00
1397	120	$200.00	$200.00
1398	120	$200.00	$200.00
1399	120	$200.00	$200.00
1400	120	$200.00	$200.00
1401	120	$200.00	$200.00
1402	120	$200.00	$200.00
1403	15726-01	$260.00	$260.00
1404	15727-01	$260.00	$260.00
1405	15728-01	$260.00	$260.00
1406	15729-01	$260.00	$260.00
1407	15730-01	$260.00	$260.00
1408	15731-01	$260.00	$260.00
1409	15732-01	$260.00	$260.00
1410	15733-01	$260.00	$260.00
1411	15734-01	$260.00	$260.00
1412	15735-01	$260.00	$260.00
1413	15736-01	$260.00	$260.00
1414	15737-01	$260.00	$260.00
1415	15738-01	$260.00	$260.00
1416	15739-01	$260.00	$260.00
1417	13777-01	$260.00	$260.00
1418	13778-01	$260.00	$260.00
1419	13779-01	$260.00	$260.00
1420	13780-01	$260.00	$260.00
1421	13781-01	$260.00	$260.00
1422	13782-01	$260.00	$260.00
1423	13783-01	$260.00	$260.00
1424	13974-01	$235.00	$235.00
1425	13975-01	$235.00	$235.00
1426	13976-01	$235.00	$235.00
1427	13977-01	$235.00	$235.00
1428	13978-01	$235.00	$235.00
1429	13979-01	$235.00	$235.00
1430	13980-01	$235.00	$235.00
1431	13981-01	$235.00	$235.00
1432	123	$200.00	$200.00
1433	120	$200.00	$200.00
1434	120	$200.00	$200.00
1435	123	$200.00	$200.00
1436	120	$200.00	$200.00
1437	120	$200.00	$200.00
1438	14187-01	$225.00	$225.00
1439	14188-01	$225.00	$225.00
1440	14189-01	$225.00	$225.00

	A	B	C	D	E	F	G	H	I	J	K	L
1441	GLC14190	35A	5-Jun-13	6307 West Fort St.	Abcq	TBAR	5-Jun-13	9450 Buffalo	55	87,691	39.776	Alger
1442	GLC14191	95	5-Jun-13	6307 West Fort St.	Abcq	TBAR	5-Jun-13	9450 Buffalo	54	86,608	39.285	Alger
1443	GLC14192	2133A	5-Jun-13	6307 West Fort St.	Abcq	TBAR	5-Jun-13	9450 Buffalo	55	87,226	39.565	Alger
1444	GLC14193	2140A	5-Jun-13	6307 West Fort St.	Abcq	TBAR	5-Jun-13	9450 Buffalo	55	86,949	39.439	Alger
1445	GLC14194	95	5-Jun-13	6307 West Fort St.	Abcq	TBAR	5-Jun-13	9450 Buffalo	55	87,061	39.490	Alger
1446	GLC14195	2133A	5-Jun-13	6307 West Fort St	Abcq	TBAR	5-Jun-13	9450 Buffalo	55	86,905	39.419	Alger
1447	GLC14196	2140A	5-Jun-13	6307 West Fort St.	Abcq	TBAR	5-Jun-13	9450 Buffalo	55	87,714	39.786	Alger
1448	GLC14611	4B	5-Jun-13	17423 West Jefferson	Abcq/Alouette	TBAR/SOW	5-Jun-13	20495 Pennsylvania	56	86,922	39.427	Classic Cartage
1449	GLC14612	74059	5-Jun-13	17423 West Jefferson	Alouette/Alcan	SOW	5-Jun-13	20495 Pennsylvania	61	87,883	39.863	Four Star
1450	GLC14613	80	5-Jun-13	17423 West Jefferson	Alcan/Abcq	SOW/TBAR	5-Jun-13	20495 Pennsylvania	54	87,673	39.768	Classic Cartage
1451	GLC14614	4B	5-Jun-13	17423 West Jefferson	Abcq/Alcan/Alcoa	TBAR/SOW	5-Jun-13	20495 Pennsylvania	62	87,699	39.780	Classic Cartage
1452	GLC14615	74059	5-Jun-13	17423 West Jefferson	Alcan	TBAR	5-Jun-13	20495 Pennsylvania	59	87,424	39.655	Four Star
1453	GLC14616	80	5-Jun-13	17423 West Jefferson	Alcan	TBAR	5-Jun-13	20495 Pennsylvania	57	87,168	39.539	Classic Cartage
1454	GLC14617	80245	5-Jun-13	17423 West Jefferson	Alcan	TBAR	5-Jun-13	20495 Pennsylvania	57	87,243	39.573	Four Star
1455	GLC14618	1021A	5-Jun-13	17423 West Jefferson	Alcan/Ormet	TBAR/SOW	5-Jun-13	20495 Pennsylvania	57	86,899	39.417	Four Star
1456	GLC14619	1011A	5-Jun-13	17423 West Jefferson	Ormet/Alcan	SOW	5-Jun-13	20495 Pennsylvania	61	87,615	39.742	Four Star
1457	GLC14620	80	5-Jun-13	17423 West Jefferson	Alcan/Abcq	SOW/TBAR	5-Jun-13	20495 Pennsylvania	60	87,959	39.898	Classic Cartage
1458	GLC14876	520/801AB	5-Jun-13	1200 E. McNichols	Alma	SOW	5-Jun-13	13542 Helen St	69	86,994	39.460	Classic Cartage
1459	GLC14877	520/801AB	5-Jun-13	1200 E. McNichols	Alma	SOW	5-Jun-13	13542 Helen St	69	87,943	39.890	Classic Cartage
1460	GLC14878	620/611AB	5-Jun-13	1200 E. McNichols	Alma	SOW	5-Jun-13	13542 Helen St	69	87,719	39.789	Classic Cartage
1461	GLC14879	620/611AB	5-Jun-13	1200 E. McNichols	Alma	SOW	5-Jun-13	13542 Helen St	68	86,994	39.460	Classic Cartage
1462	GLC14880	06/06A	5-Jun-13	1200 E. McNichols	Alma	SOW	5-Jun-13	13542 Helen St	60	87,578	39.725	Classic Cartage
1463	GLC14881	520/801AB	5-Jun-13	1200 E. McNichols	Alcoa Massena East/Alma	SOW	5-Jun-13	13542 Helen St	64	87,972	39.903	Classic Cartage
1464	GLC14882	620/611AB	5-Jun-13	1200 E. McNichols	Alcoa Massena East	SOW	5-Jun-13	13542 Helen St	64	87,658	39.761	Classic Cartage
1465	GLC14883	06/06A	5-Jun-13	1200 E. McNichols	Alcoa Massena East	SOW	5-Jun-13	13542 Helen St	64	86,887	39.411	Classic Cartage
1466	GLC14884	924/5428	5-Jun-13	1200 E. McNichols	Alcoa Massena East	SOW	5-Jun-13	13542 Helen St	64	87,415	39.651	Classic Cartage
1467	GLC14885	924/5428	5-Jun-13	1200 E. McNichols	Alcoa Massena East	SOW	5-Jun-13	13542 Helen St	64	86,741	39.345	Classic Cartage
1468	GLC15268	093/9941AB	5-Jun-13	26090 23 Mile Rd	Abcq	TBAR	5-Jun-13	50703 E Russell	57	87,154	39.532	Classic Cartage
1469	GLC15269	108/808	5-Jun-13	26090 23 Mile Rd	Abcq	TBAR	5-Jun-13	50703 E Russell	57	86,764	39.356	Classic Cartage
1470	GLC15270	093/9941AB	5-Jun-13	26090 23 Mile Rd	Abcq	TBAR	5-Jun-13	50703 E Russell	55	86,586	39.275	Classic Cartage
1471	GLC15271	108/808	5-Jun-13	26090 23 Mile Rd	Abcq	TBAR	5-Jun-13	50703 E Russell	55	86,949	39.439	Classic Cartage
1472	GLC15272	093/9941AB	5-Jun-13	26090 23 Mile Rd	Abcq	TBAR	5-Jun-13	50703 E Russell	55	86,786	39.366	Classic Cartage
1473	GLC15273	108/808	5-Jun-13	26090 23 Mile Rd	Abcq	TBAR	5-Jun-13	50703 E Russell	55	86,984	39.455	Classic Cartage
1474	GLC15274	093/9941AB	5-Jun-13	26090 23 Mile Rd	Abcq	TBAR	5-Jun-13	50703 E Russell	55	86,798	39.371	Classic Cartage
1475	GLC15275	108/808	5-Jun-13	26090 23 Mile Rd	Abcq	TBAR	5-Jun-13	50703 E Russell	55	86,697	39.325	Classic Cartage
1476	GLC15276	093/9941AB	5-Jun-13	26090 23 Mile Rd	Abcq	TBAR	5-Jun-13	50703 E Russell	58	87,008	39.466	Classic Cartage
1477	GLC15277	108/808	5-Jun-13	26090 23 Mile Rd	Abcq	TBAR	5-Jun-13	50703 E Russell	57	86,575	39.270	Classic Cartage
1478	GLC15740	711/2138A	5-Jun-13	151 Lafayette	Abcq	TBAR	5-Jun-13	1200 E. McNichols	60	87,585	39.728	Alger
1479	GLC15741	9934/2144A	5-Jun-13	151 Lafayette	Abcq	TBAR	5-Jun-13	1200 E. McNichols	56	87,747	39.801	Alger
1480	GLC15742	2149/2149A	5-Jun-13	151 Lafayette	Abcq	TBAR	5-Jun-13	1200 E. McNichols	59	87,271	39.586	Alger
1481	GLC15743	78/2147A	5-Jun-13	151 Lafayette	Abcq	TBAR	5-Jun-13	1200 E. McNichols	59	86,763	39.355	Alger
1482	GLC15744	711/2138A	5-Jun-13	151 Lafayette	Abcq	TBAR	5-Jun-13	1200 E. McNichols	59	87,737	39.797	Alger
1483	GLC15745	9934/2144A	5-Jun-13	151 Lafayette	Abcq	TBAR	5-Jun-13	1200 E. McNichols	57	87,147	39.529	Alger
1484	GLC15746	2149/2149A	5-Jun-13	151 Lafayette	Abcq	TBAR	5-Jun-13	1200 E. McNichols	58	87,390	39.639	Alger
1485	GLC15747	634/2139A	5-Jun-13	151 Lafayette	Abcq	TBAR	5-Jun-13	1200 E. McNichols	58	87,741	39.799	Alger

	M	N	O
1441	14190-01	$225.00	$225.00
1442	14191-01	$225.00	$225.00
1443	14192-01	$225.00	$225.00
1444	14193-01	$225.00	$225.00
1445	14194-01	$225.00	$225.00
1446	14195-01	$225.00	$225.00
1447	14196-01	$225.00	$225.00
1448	120	$200.00	$200.00
1449	1553545-00	$250.00	$250.00
1450	120	$200.00	$200.00
1451	120	$200.00	$200.00
1452	1553546-00	$250.00	$250.00
1453	120	$200.00	$200.00
1454	1553547-00	$250.00	$250.00
1455	1553548-00	$250.00	$250.00
1456	1553549-00	$250.00	$250.00
1457	120	$200.00	$200.00
1458	120	$200.00	$200.00
1459	120	$200.00	$200.00
1460	120	$200.00	$200.00
1461	120	$200.00	$200.00
1462	120	$200.00	$200.00
1463	120	$200.00	$200.00
1464	120	$200.00	$200.00
1465	120	$200.00	$200.00
1466	120	$200.00	$200.00
1467	120	$200.00	$200.00
1468	120	$200.00	$200.00
1469	120	$200.00	$200.00
1470	120	$200.00	$200.00
1471	120	$200.00	$200.00
1472	120	$200.00	$200.00
1473	120	$200.00	$200.00
1474	120	$200.00	$200.00
1475	120	$200.00	$200.00
1476	120	$200.00	$200.00
1477	120	$200.00	$200.00
1478	15740-01	$260.00	$260.00
1479	15741-01	$260.00	$260.00
1480	15742-01	$260.00	$260.00
1481	15743-01	$260.00	$260.00
1482	15744-01	$260.00	$260.00
1483	15745-01	$260.00	$260.00
1484	15746-01	$260.00	$250.00
1485	15747-01	$260.00	$260.00

	A	B	C	D	E	F	G	H	I	J	K	L
1486	GLC15748	78/2147A	5-Jun-13	3986	Abcq	TBAR	5-Jun-13	1200 E. McNichols	56	86,960	39.444	Alger
1487	GLC15749	711/2138H	5-Jun-13	151 Lafayette	Abcq	TBAR	5-Jun-13	1200 E. McNichols	55	86,724	39.337	Alger
1488	GLC15750	9934/2144A	5-Jun-13	151 Lafayette	Abcq	TBAR	5-Jun-13	1200 E. McNichols	57	87,684	39.773	Alger
1489	GLC15751	2149/2149A	5-Jun-13	151 Lafayette	Abcq	TBAR	5-Jun-13	1200 E. McNichols	58	87,126	39.520	Alger
1490	GLC15752	78/2147A	5-Jun-13	151 Lafayette	Abcq	TBAR	5-Jun-13	1200 E. McNichols	57	86,977	39.452	Alger
1491	GLC15753	711/2138A	5-Jun-13	151 Lafayette	Abcq	TBAR	5-Jun-13	1200 E. McNichols	58	87,873	39.859	Alger
1492	GLC15754	9934/2144A	5-Jun-13	151 Lafayette	Abcq	TBAR	5-Jun-13	1200 E. McNichols	58	87,381	39.635	Alger
1493	GLC13982	7982/1241A	6-Jun-13	4815 Cabot	Alcan	SOW	6-Jun-13	6490 Lynch	58	87,189	39.548	Alger
1494	GLC13983	35/35A	6-Jun-13	4815 Cabot	Alcan/Alouette	SOW	6-Jun-13	6490 Lynch	59	87,479	39.680	Alger
1495	GLC13984	7972/1741A	6-Jun-13	4815 Cabot	Alouette	SOW	6-Jun-13	6490 Lynch	56	87,751	39.803	Alger
1496	GLC13985	535/200	6-Jun-13	4815 Cabot	Alouette	SOW	6-Jun-13	6490 Lynch	55	86,661	39.309	Alger
1497	GLC13986	535/200	6-Jun-13	4815 Cabot	Alouette	SOW	6-Jun-13	6490 Lynch	56	87,631	39.749	Alger
1498	GLC13987	108/2140A	6-Jun-13	4815 Cabot	Alouette	SOW	6-Jun-13	6490 Lynch	54	86,456	39.216	Alger
1499	GLC13988	7982/1214A	6-Jun-13	4815 Cabot	Alouette/Alcan	SOW	6-Jun-13	6490 Lynch	56	87,685	39.773	Alger
1500	GLC13989	535/200	6-Jun-13	4815 Cabot	Alcan	SOW	6-Jun-13	6490 Lynch	59	86,546	39.257	Alger
1501	GLC14150	1569/204	6-Jun-13	3801 West Jefferson	Alcan	SOW	6-Jun-13	4815 Cabot	62	87,819	39.834	Classic Cartage
1502	GLC14151	97/309	6-Jun-13	3801 West Jefferson	Alcan	SOW	6-Jun-13	4815 Cabot	66	87,990	39.912	Classic Cartage
1503	GLC14152	15097/15097AB	6-Jun-13	3801 West Jefferson	Alcan	SOW	6-Jun-13	4815 Cabot	65	87,417	39.652	Classic Cartage
1504	GLC14153	1569/204	6-Jun-13	3801 West Jefferson	Alcan	SOW	6-Jun-13	4815 Cabot	59	86,821	39.381	Classic Cartage
1505	GLC14154	97/309	6-Jun-13	3801 West Jefferson	Alcan	SOW	6-Jun-13	4815 Cabot	56	86,767	39.357	Classic Cartage
1506	GLC14155	15097/15097AB	6-Jun-13	3801 West Jefferson	Alcan	SOW	6-Jun-13	4815 Cabot	60	87,563	39.718	Classic Cartage
1507	GLC14156LTL	1569/204	6-Jun-13	3801 West Jefferson	Alcan	SOW	6-Jun-13	4815 Cabot	8	12,258	5.560	Classic Cartage
1508	GLC14197	2137A	6-Jun-13	6307 West Fort St.	Abcq	TBAR	6-Jun-13	9450 Buffalo	59	87,062	39.491	Alger
1509	GLC14198	2140A	6-Jun-13	6307 West Fort St.	Abcq	TBAR	6-Jun-13	9450 Buffalo	55	87,201	39.554	Alger
1510	GLC14199	2139A	6-Jun-13	6307 West Fort St.	Abcq	TBAR	6-Jun-13	9450 Buffalo	58	87,050	39.485	Alger
1511	GLC14200	2140A	6-Jun-13	6307 West Fort St.	Abcq	TBAR	6-Jun-13	9450 Buffalo	60	87,935	39.887	Alger
1512	GLC14201	2137A	6-Jun-13	6307 West Fort St.	Abcq	TBAR	6-Jun-13	9450 Buffalo	58	87,087	39.502	Alger
1513	GLC14202	2139A	6-Jun-13	6307 West Fort St.	Abcq	TBAR	6-Jun-13	9450 Buffalo	62	87,928	39.884	Alger
1514	GLC14203	2140A	6-Jun-13	6307 West Fort St.	Abcq	TBAR	6-Jun-13	9450 Buffalo	61	87,553	39.713	Alger
1515	GLC14204	2137A	6-Jun-13	6307 West Fort St.	Abcq	TBAR	6-Jun-13	9450 Buffalo	55	86,602	39.282	Alger
1516	GLC14205	2139A	6-Jun-13	6307 West Fort St.	Abcq	TBAR	6-Jun-13	9450 Buffalo	59	87,162	39.536	Alger
1517	GLC14206	2137A	6-Jun-13	6307 West Fort St.	Abcq	TBAR	6-Jun-13	9450 Buffalo	55	87,656	39.760	Alger
1518	GLC14621	1011A	6-Jun-13	17423 West Jefferson	Abcq/Alcan	TBAR/SOW	6-Jun-13	20495 Pennsylvania	59	87,439	39.662	Four Star
1519	GLC14622	4B	6-Jun-13	17423 West Jefferson	Alcan	SOW	6-Jun-13	20495 Pennsylvania	65	87,070	39.494	Classic Cartage
1520	GLC14623	801AB	6-Jun-13	17423 West Jefferson	Ormet/Alcan	SOW	6-Jun-13	20495 Pennsylvania	61	87,574	39.723	Classic Cartage
1521	GLC14624	4B	6-Jun-13	17423 West Jefferson	Alcan	TBAR/SOW	6-Jun-13	20495 Pennsylvania	61	87,801	39.826	Classic Cartage
1522	GLC14625	1011A	6-Jun-13	17423 West Jefferson	Alcan	TBAR/SOW	6-Jun-13	20495 Pennsylvania	62	87,197	39.552	Four Star
1523	GLC14626	801AB	6-Jun-13	17423 West Jefferson	Alcan/Abcq	TBAR	6-Jun-13	20495 Pennsylvania	58	87,594	39.732	Classic Cartage
1524	GLC14627	82045	6-Jun-13	17423 West Jefferson	Abcq	TBAR	6-Jun-13	20495 Pennsylvania	55	86,948	39.439	Four Star
1525	GLC14628	1011A	6-Jun-13	17423 West Jefferson	Abcq/ME Alcoa	TBAR/SOW	6-Jun-13	20495 Pennsylvania	56	87,056	39.488	Four Star
1526	GLC14629	801AB	6-Jun-13	17423 West Jefferson	Ormet/ME Alcoa	SOW	6-Jun-13	20495 Pennsylvania	63	87,966	39.901	Classic Cartage
1527	GLC14630	82045	6-Jun-13	17423 West Jefferson	Ormet	SOW	6-Jun-13	20495 Pennsylvania	61	87,892	39.867	Four Star
1528	GLC14886	620/611AB	6-Jun-13	1200 E. McNichols	Alcoa Massena East/Alouette	SOW	6-Jun-13	13542 Helen St	60	86,580	39.272	Classic Cartage
1529	GLC14887	924/5428	6-Jun-13	1200 E. McNichols	Alouette/Gbaie	SOW	6-Jun-13	13542 Helen St	55	87,660	39.762	Classic Cartage
1530	GLC14888	924/5428	6-Jun-13	1200 E. McNichols	Gbaie	SOW	6-Jun-13	13542 Helen St	62	87,884	39.864	Classic Cartage

	M	N	O
1486	15748-01	$260.00	$260.00
1487	15749-01	$260.00	$260.00
1488	15750-01	$260.00	$260.00
1489	15751-01	$260.00	$260.00
1490	15752-01	$260.00	$260.00
1491	15753-01	$260.00	$260.00
1492	15754-01	$260.00	$260.00
1493	13982-01	$235.00	$235.00
1494	13983-01	$235.00	$235.00
1495	13984-01	$235.00	$235.00
1496	13985-01	$235.00	$235.00
1497	13986-01	$235.00	$235.00
1498	13987-01	$235.00	$235.00
1499	13988-01	$235.00	$235.00
1500	13989-01	$235.00	$235.00
1501	123	$200.00	$200.00
1502	123	$200.00	$200.00
1503	120	$200.00	$200.00
1504	123	$200.00	$200.00
1505	123	$200.00	$200.00
1506	120	$200.00	$200.00
1507	123	$200.00	$200.00
1508	14197-01	$225.00	$225.00
1509	14198-01	$225.00	$225.00
1510	14199-01	$225.00	$225.00
1511	14200-01	$225.00	$225.00
1512	14201-01	$225.00	$225.00
1513	14202-01	$225.00	$225.00
1514	14203-01	$225.00	$225.00
1515	14204-01	$225.00	$225.00
1516	14205-01	$225.00	$225.00
1517	14206-01	$225.00	$225.00
1518	1553727-00	$250.00	$250.00
1519	120	$200.00	$200.00
1520	120	$200.00	$200.00
1521	120	$200.00	$200.00
1522	1553728-00	$250.00	$250.00
1523	120	$200.00	$200.00
1524	1553729-00	$250.00	$250.00
1525	1553730-00	$250.00	$250.00
1526	120	$200.00	$200.00
1527	1553731-00	$250.00	$250.00
1528	120	$200.00	$200.00
1529	120	$200.00	$200.00
1530	120	$200.00	$200.00

	A	B	C	D	E	F	G	H	I	J	K	L
1531	GLC14889		6-Jun-13	1200 E. McNichols	Gbaie	SOW	6-Jun-13	13542 Helen St	63	87,736	39.796	Classic Cartage
1532	GLC14890	1029/C920775	6-Jun-13	1200 E. McNichols	Gbaie	SOW	6-Jun-13	13542 Helen St	62	87,936	39.887	Four Star
1533	GLC14891	1025/81045	6-Jun-13	1200 E. McNichols	Gbaie	SOW	6-Jun-13	13542 Helen St	61	86,427	39.203	Four Star
1534	GLC14892	924/5428	6-Jun-13	1200 E. McNichols	Gbaie	SOW	6-Jun-13	13542 Helen St	62	86,947	39.439	Classic Cartage
1535	GLC14893	06/806	6-Jun-13	1200 E. McNichols	Gbaie	SOW	6-Jun-13	13542 Helen St	60	86,893	39.414	Classic Cartage
1536	GLC14894	1029/1029A	6-Jun-13	1200 E. McNichols	Gbaie	SOW	6-Jun-13	13542 Helen St	60	87,519	39.698	Four Star
1537	GLC14895	820/611AB	6-Jun-13	1200 E. McNichols	Gbaie	SOW	6-Jun-13	13542 Helen St	60	86,985	39.456	Classic Cartage
1538	GLC14896	620/611AB	6-Jun-13	1200 E. McNichols	Gbaie	SOW	6-Jun-13	13542 Helen St	61	86,932	39.432	Classic Cartage
1539	GLC14897	06/806	6-Jun-13	1200 E. McNichols	Gbaie	SOW	6-Jun-13	13542 Helen St	62	87,237	39.570	Classic Cartage
1540	GLC14898	1029/C920775	6-Jun-13	1200 E. McNichols	Gbaie	SOW	6-Jun-13	13542 Helen St	62	87,770	39.812	Four Star
1541	GLC14899	04/04B	6-Jun-13	1200 E. McNichols	Gbaie	SOW	6-Jun-13	8650 Mt Elliott	62	87,529	39.703	Classic Cartage
1542	GLC14900	1025/81045	6-Jun-13	1200 E. McNichols	Gbaie	SOW	6-Jun-13	8650 Mt Elliott	61	87,721	39.790	Four Star
1543	GLC15278	093/9941AB	6-Jun-13	26090 23 Mile Rd	Abcq	TBAR	6-Jun-13	50703 E Russell	58	87,949	39.893	Classic Cartage
1544	GLC15279	108/808	6-Jun-13	26090 23 Mile Rd	Abcq	TBAR	6-Jun-13	50703 E Russell	57	87,277	39.588	Classic Cartage
1545	GLC15280	093/9941AB	6-Jun-13	26090 23 Mile Rd	Abcq	TBAR	6-Jun-13	50703 E Russell	57	86,525	39.247	Classic Cartage
1546	GLC15281	108/808	6-Jun-13	26090 23 Mile Rd	Abcq	TBAR	6-Jun-13	50703 E Russell	58	87,619	39.743	Classic Cartage
1547	GLC15282	093/9941AB	6-Jun-13	26090 23 Mile Rd	Abcq	TBAR	6-Jun-13	50703 E Russell	58	87,312	39.604	Classic Cartage
1548	GLC15283	108/808	6-Jun-13	26090 23 Mile Rd	Abcq	TBAR	6-Jun-13	50703 E Russell	55	86,643	39.301	Classic Cartage
1549	GLC15284	093/9941AB	6-Jun-13	26090 23 Mile Rd	Abcq	TBAR	6-Jun-13	50703 E Russell	55	87,056	39.488	Classic Cartage
1550	GLC15285	108/808	6-Jun-13	26090 23 Mile Rd	Abcq	TBAR	6-Jun-13	50703 E Russell	55	86,683	39.319	Classic Cartage
1551	GLC15286	093/9941AB	6-Jun-13	26090 23 Mile Rd	Abcq	TBAR	6-Jun-13	50703 E Russell	55	86,954	39.442	Classic Cartage
1552	GLC15287	108/808	6-Jun-13	26090 23 Mile Rd	Abcq	TBAR	6-Jun-13	50703 E Russell	56	87,409	39.648	Classic Cartage
1553	GLC15288	093/9941AB	6-Jun-13	26090 23 Mile Rd	Abcq	TBAR	6-Jun-13	50703 E Russell	55	86,900	39.417	Classic Cartage
1554	GLC15755LTL	341/200	6-Jun-13	151 Lafayette	Abcq	TBAR	6-Jun-13	1200 E. McNichols	14	19,838	8.998	Alger
1555	GLC15756	9934/2144A	6-Jun-13	151 Lafayette	Abcq	TBAR	6-Jun-13	12850 E. Nine Mile	62	87,725	39.791	Alger
1556	GLC15757	35/35A	6-Jun-13	151 Lafayette	Abcq	TBAR	6-Jun-13	12850 E. Nine Mile	60	87,251	39.576	Alger
1557	GLC15758	2149/2149A	6-Jun-13	151 Lafayette	Abcq	TBAR	6-Jun-13	12850 E. Nine Mile	55	86,567	39.266	Alger
1558	GLC15759	3200/111/112	6-Jun-13	151 Lafayette	Abcq	TBAR	6-Jun-13	12850 E. Nine Mile	57	87,002	39.463	Alger
1559	GLC15760	9934/2144A	6-Jun-13	151 Lafayette	Abcq	TBAR	6-Jun-13	12850 E. Nine Mile	61	87,248	39.575	Alger
1560	GLC15761	35/35A	6-Jun-13	151 Lafayette	Abcq	TBAR	6-Jun-13	12850 E. Nine Mile	60	86,780	39.363	Alger
1561	GLC15762	78/2147A	6-Jun-13	151 Lafayette	Abcq	TBAR	6-Jun-13	12850 E. Nine Mile	57	86,624	39.292	Alger
1562	GLC15763	2149/2149A	6-Jun-13	151 Lafayette	Abcq	TBAR	6-Jun-13	12850 E. Nine Mile	58	87,075	39.497	Alger
1563	GLC15764	3100/111/112	6-Jun-13	151 Lafayette	Abcq	TBAR	6-Jun-13	12850 E. Nine Mile	55	87,004	39.464	Alger
1564	GLC15765	9934/2144A	6-Jun-13	151 Lafayette	Abcq	TBAR	6-Jun-13	12850 E. Nine Mile	56	87,688	39.775	Alger
1565	GLC15766	35/35A	6-Jun-13	151 Lafayette	Abcq	TBAR	6-Jun-13	12850 E. Nine Mile	62	87,690	39.776	Alger
1566	GLC15767	78/2147A	6-Jun-13	151 Lafayette	Abcq	TBAR	6-Jun-13	12850 E. Nine Mile	60	86,954	39.442	Alger
1567	GLC15768	2149/2149A	6-Jun-13	151 Lafayette	Abcq	TBAR	6-Jun-13	12850 E. Nine Mile	55	86,556	39.261	Alger
1568	GLC15769	78/2147A	6-Jun-13	151 Lafayette	Abcq	TBAR	6-Jun-13	12850 E. Nine Mile	55	86,999	39.462	Alger
1569	GLC15936	3100/111/112	6-Jun-13	151 Lafayette	Abcq	TBAR	6-Jun-13	12850 E. Nine Mile	44	68,000	30.844	Alger
1570	GLC13990	7982/1241A	7-Jun-13	4815 Cabot	Alcan	SOW	7-Jun-13	6490 Lynch	62	87,634	39.750	Alger
1571	GLC13991	35/35A	7-Jun-13	4815 Cabot	Alcan	SOW	7-Jun-13	6490 Lynch	59	87,345	39.619	Alger
1572	GLC13992	108/2140A	7-Jun-13	4815 Cabot	Alcan	SOW	7-Jun-13	6490 Lynch	60	86,969	39.449	Alger
1573	GLC13993	7982/1241A	7-Jun-13	4815 Cabot	Alcan	SOW	7-Jun-13	6490 Lynch	58	87,121	39.517	Alger
1574	GLC13994	982/1241A	7-Jun-13	4815 Cabot	Alcan	SOW	7-Jun-13	6490 Lynch	57	87,629	39.748	Alger
1575	GLC13995	35/35A	7-Jun-13	4815 Cabot	ME Alcoa/Alcan	SOW	7-Jun-13	6490 Lynch	62	87,882	39.863	Alger

	M	N	O
1531	120	$200.00	$200.00
1532	1553779-00	$250.00	$250.00
1533	1553781-00	$250.00	$250.00
1534	120	$200.00	$200.00
1535	120	$200.00	$200.00
1536	1553782-00	$250.00	$250.00
1537	120	$200.00	$200.00
1538	120	$200.00	$200.00
1539	120	$200.00	$200.00
1540	1553784-00	$250.00	$250.00
1541	120	$200.00	$200.00
1542	1553783-00	$250.00	$250.00
1543	120	$200.00	$200.00
1544	120	$200.00	$200.00
1545	120	$200.00	$200.00
1546	120	$200.00	$200.00
1547	120	$200.00	$200.00
1548	120	$200.00	$200.00
1549	120	$200.00	$200.00
1550	120	$200.00	$200.00
1551	120	$200.00	$200.00
1552	120	$200.00	$200.00
1553	120	$200.00	$200.00
1554	15755-01	$260.00	$260.00
1555	15756-01	$235.00	$235.00
1556	15757-01	$235.00	$235.00
1557	15758-01	$235.00	$235.00
1558	15759-01	$235.00	$235.00
1559	15760-01	$235.00	$235.00
1560	15761-01	$235.00	$235.00
1561	15762-01	$235.00	$235.00
1562	15763-01	$235.00	$235.00
1563	15764-01	$235.00	$235.00
1564	15765-01	$235.00	$235.00
1565	15766-01	$235.00	$235.00
1566	15767-01	$235.00	$235.00
1567	15768-01	$235.00	$235.00
1568	15769-01	$235.00	$235.00
1569	15936-01	$235.00	$235.00
1570	13990-01	$235.00	$235.00
1571	13991-01	$235.00	$235.00
1572	13992-01	$235.00	$235.00
1573	13993-01	$235.00	$235.00
1574	13994-01	$235.00	$235.00
1575	13995-01	$235.00	$235.00

	A	B	C	D	E	F	G	H	I	J	K	L
1576	GLC13996	634/2139	7-Jun-13	4815 Cabot	ME Alcoa	SOW	7-Jun-13	6490 Lynch	64	87,762	39.808	Alger
1577	GLC13997	7982/1241A	7-Jun-13	4815 Cabot	ME Alcoa	SOW	7-Jun-13	6490 Lynch	65	87,474	39.678	Alger
1578	GLC14207	2137A	7-Jun-13	6307 West Fort St	Abcq	TBAR	7-Jun-13	9450 Buffalo	56	87,614	39.741	Alger
1579	GLC14208	2140A	7-Jun-13	6307 West Fort St.	Abcq	TBAR	7-Jun-13	9450 Buffalo	57	87,147	39.529	Alger
1580	GLC14209	2139A	7-Jun-13	6307 West Fort St.	Abcq	TBAR	7-Jun-13	9450 Buffalo	55	87,386	39.638	Alger
1581	GLC14210	2137A	7-Jun-13	6307 West Fort St.	Abcq	TBAR	7-Jun-13	9450 Buffalo	59	87,943	39.890	Alger
1582	GLC14211	2140A	7-Jun-13	6307 West Fort St.	Abcq	TBAR	7-Jun-13	9450 Buffalo	57	87,910	39.875	Alger
1583	GLC14212	2139A	7-Jun-13	6307 West Fort St.	Abcq	TBAR	7-Jun-13	9450 Buffalo	58	86,629	39.294	Alger
1584	GLC14213	2137A	7-Jun-13	6307 West Fort St.	Abcq	TBAR	7-Jun-13	9450 Buffalo	55	87,041	39.481	Alger
1585	GLC14214	2140A	7-Jun-13	6307 West Fort St.	Abcq	TBAR	7-Jun-13	9450 Buffalo	59	87,108	39.512	Alger
1586	GLC14215	2139A	7-Jun-13	6307 West Fort St.	Abcq	TBAR	7-Jun-13	9450 Buffalo	55	87,154	39.532	Alger
1587	GLC14216	2137A	7-Jun-13	6307 West Fort St	Abcq	TBAR	7-Jun-13	9450 Buffalo	55	87,064	39.492	Alger
1588	GLC14399	35A	7-Jun-13	13542 Helen	Alcan	SOW	7-Jun-13	1200 E. McNichols	62	86,651	39.304	Alger
1589	GLC14400	35A	7-Jun-13	13542 Helen	Alcan	SOW	7-Jun-13	1200 E. McNichols	60	87,612	39.740	Alger
1590	GLC14631	8/245	7-Jun-13	17423 West Jefferson	Ormet	SOW	7-Jun-13	20495 Pennsylvania	60	86,963	39.446	Four Star
1591	GLC14632	1018	7-Jun-13	17423 West Jefferson	Ormet	SOW	7-Jun-13	20495 Pennsylvania	60	87,907	39.874	Four Star
1592	GLC14633	1018	7-Jun-13	17423 West Jefferson	Ormet/Abcq	TBAR/SOW	7-Jun-13	20495 Pennsylvania	57	87,699	39.780	Four Star
1593	GLC14634	611AB	7-Jun-13	17423 West Jefferson	Abcq	TBAR	7-Jun-13	20495 Pennsylvania	59	87,624	39.746	Classic Cartage
1594	GLC14635	80	7-Jun-13	17423 West Jefferson	Abcq/Alcoa	TBAR/SOW	7-Jun-13	20495 Pennsylvania	65	87,468	39.675	Classic Cartage
1595	GLC14636	1018	7-Jun-13	17423 West Jefferson	Ormet/Alcoa	SOW	7-Jun-13	20495 Pennsylvania	62	87,753	39.804	Four Star
1596	GLC14637	611AB	7-Jun-13	17423 West Jefferson	Ormet/Alcan	SOW/TBAR	7-Jun-13	20495 Pennsylvania	60	87,747	39.801	Classic Cartage
1597	GLC14638	80	7-Jun-13	17423 West Jefferson	Alcan	SOW/TBAR	7-Jun-13	20495 Pennsylvania	64	87,104	39.510	Classic Cartage
1598	GLC14639	80	7-Jun-13	17423 West Jefferson	Alcan	SOW	7-Jun-13	20495 Pennsylvania	64	87,424	39.655	Classic Cartage
1599	GLC14640	1018	7-Jun-13	17423 West Jefferson	Alcan/Abcq	SOW/TBAR	7-Jun-13	20495 Pennsylvania	63	87,612	39.740	Four Star
1600	GLC14901	359/204	7-Jun-13	1200 E. McNichols	Gbaie	SOW	7-Jun-13	13542 Helen St	62	87,317	39.606	Classic Cartage
1601	GLC14902	520/520AB	7-Jun-13	1200 E. McNichols	Gbaie	SOW	7-Jun-13	13542 Helen St	67	86,854	39.306	Classic Cartage
1602	GLC14903	924/5428	7-Jun-13	1200 E. McNichols	Gbaie	SOW	7-Jun-13	13542 Helen St	57	87,481	39.681	Classic Cartage
1603	GLC14904	1029/C920775	7-Jun-13	1200 E. McNichols	Gbaie	SOW	7-Jun-13	13542 Helen St	63	87,614	39.741	Four Star
1604	GLC14905	1011/1011A	7-Jun-13	1200 E. McNichols	Gbaie	SOW	7-Jun-13	13542 Helen St	63	87,824	39.836	Four Star
1605	GLC14906	924/5428	7-Jun-13	1200 E. McNichols	Gbaie	SOW	7-Jun-13	13542 Helen St	63	87,605	39.737	Classic Cartage
1606	GLC14907	520/520AB	7-Jun-13	1200 E. McNichols	Gbaie	SOW	7-Jun-13	13542 Helen St	61	87,582	39.727	Classic Cartage
1607	GLC14908	1011/1011A	7-Jun-13	1200 E. McNichols	Gbaie	SOW	7-Jun-13	13542 Helen St	62	87,735	39.796	Four Star
1608	GLC14909LTL	06/806	7-Jun-13	1200 E. McNichols	Gbaie	SOW	7-Jun-13	13542 Helen St	27	38,224	17.338	Classic Cartage
1609	GLC14910	359/204	7-Jun-13	1200 E. McNichols	Gbaie	SOW	7-Jun-13	13542 Helen St	61	87,477	39.679	Classic Cartage
1610	GLC14911	1029/C920775	7-Jun-13	1200 E. McNichols	Gbaie	SOW	7-Jun-13	13542 Helen St	62	87,645	39.755	Four Star
1611	GLC14912	924/5428	7-Jun-13	1200 E. McNichols	Gbaie	SOW	7-Jun-13	13542 Helen St	63	86,924	39.428	Classic Cartage
1612	GLC14913	06/806	7-Jun-13	1200 E. McNichols	Gbaie/ME Alcoa	SOW	7-Jun-13	13542 Helen St	62	86,903	39.419	Classic Cartage
1613	GLC14914	1011/80150	7-Jun-13	1200 E. McNichols	ME Alcoa	SOW	7-Jun-13	13542 Helen St	65	87,954	39.895	Four Star
1614	GLC14915	520/520AB	7-Jun-13	1200 E. McNichols	ME Alcoa	SOW	7-Jun-13	4815 Cabot	66	87,152	39.532	Classic Cartage
1615	GLC14916	06/806	7-Jun-13	1200 E. McNichols	ME Alcoa	SOW	7-Jun-13	4815 Cabot	64	86,825	39.383	Classic Cartage
1616	GLC15289	093/9941AB	7-Jun-13	26090 23 Mile Rd	Abcq	TBAR	7-Jun-13	50703 E Russell	55	86,923	39.428	Classic Cartage
1617	GLC15290	108/808	7-Jun-13	26090 23 Mile Rd	Abcq	TBAR	7-Jun-13	50703 E Russell	55	86,686	39.320	Classic Cartage
1618	GLC15291	4/4B	7-Jun-13	26090 23 Mile Rd	Abcq	TBAR	7-Jun-13	50703 E Russell	56	87,889	39.866	Classic Cartage
1619	GLC15292	093/9941AB	7-Jun-13	26090 23 Mile Rd	Abcq	TBAR	7-Jun-13	50703 E Russell	55	86,711	39.331	Classic Cartage
1620	GLC15293	108/808	7-Jun-13	26090 23 Mile Rd	Abcq	TBAR	7-Jun-13	50703 E Russell	55	86,821	39.381	Classic Cartage

	M	N	O
1576	13996-01	$235.00	$235.00
1577	13997-01	$235.00	$235.00
1578	14207-01	$225.00	$225.00
1579	14208-01	$225.00	$225.00
1580	14209-01	$225.00	$225.00
1581	14210-01	$225.00	$225.00
1582	14211-01	$225.00	$225.00
1583	14212-01	$225.00	$225.00
1584	14213-01	$225.00	$225.00
1585	14214-01	$225.00	$225.00
1586	14215-01	$225.00	$225.00
1587	14216-01	$225.00	$225.00
1588	14399-01	$215.00	$215.00
1589	14400-01	$215.00	$215.00
1590	1553948-00	$250.00	$250.00
1591	1553949-00	$250.00	$250.00
1592	1553951-00	$250.00	$250.00
1593	120	$200.00	$200.00
1594	120	$200.00	$200.00
1595	1553950-00	$250.00	$250.00
1596	120	$200.00	$200.00
1597	120	$200.00	$200.00
1598	120	$200.00	$200.00
1599	1553952-00	$250.00	$250.00
1600	123	$200.00	$200.00
1601	120	$200.00	$200.00
1602	120	$200.00	$200.00
1603	1554002-00	$250.00	$250.00
1604	1554003-00	$250.00	$250.00
1605	120	$200.00	$200.00
1606	120	$200.00	$200.00
1607	1553999-00	$250.00	$250.00
1608	120	$200.00	$200.00
1609	123	$200.00	$200.00
1610	1554000-00	$250.00	$250.00
1611	120	$200.00	$200.00
1612	120	$200.00	$200.00
1613	1554001-00	$250.00	$250.00
1614	120	$200.00	$200.00
1615	120	$200.00	$200.00
1616	120	$200.00	$200.00
1617	120	$200.00	$200.00
1618	120	$200.00	$200.00
1619	120	$200.00	$200.00
1620	120	$200.00	$200.00

	A	B	C	D	E	F	G	H	I	J	K	L
1621	GLC15294	4/4B	7-Jun-13	26090 23 Mile Rd	Abcq	TBAR	7-Jun-13	50703 E Russell	59	87,102	39.509	Classic Cartage
1622	GLC15295	093/9941AB	7-Jun-13	26090 23 Mile Rd	Abcq	TBAR	7-Jun-13	50703 E Russell	55	86,752	39.350	Classic Cartage
1623	GLC15296	108/808	7-Jun-13	26090 23 Mile Rd	Abcq	TBAR	7-Jun-13	50703 E Russell	55	86,623	39.292	Classic Cartage
1624	GLC15297	093/9941AB	7-Jun-13	26090 23 Mile Rd	Abcq	TBAR	7-Jun-13	50703 E Russell	55	86,788	39.366	Classic Cartage
1625	GLC15298	4/4B	7-Jun-13	26090 23 Mile Rd	Abcq	TBAR	7-Jun-13	50703 E Russell	55	86,705	39.329	Classic Cartage
1626	GLC15299	108/808	7-Jun-13	26090 23 Mile Rd	Abcq	TBAR	7-Jun-13	50703 E Russell	58	87,304	39.600	Classic Cartage
1627	GLC15300	4/4B	7-Jun-13	26090 23 Mile Rd	Abcq	TBAR	7-Jun-13	50703 E Russell	58	87,334	39.614	Classic Cartage
1628	GLC15301	093/9941AB	7-Jun-13	26090 23 Mile Rd	Abcq	TBAR	7-Jun-13	50703 E Russell	59	87,929	39.884	Classic Cartage
1629	GLC15302	108/808	7-Jun-13	26090 23 Mile Rd	Abcq	TBAR	7-Jun-13	50703 E Russell	63	86,759	39.353	Classic Cartage
1630	GLC15303	4/4B	7-Jun-13	26090 23 Mile Rd	Abcq	TBAR	7-Jun-13	50703 E Russell	57	87,270	39.585	Classic Cartage
1631	GLC15770	711/2138A	7-Jun-13	151 Lafayette	Abcq	TBAR	7-Jun-13	12850 E. Nine Mile	55	86,542	39.255	Alger
1632	GLC15771	2149/2149A	7-Jun-13	151 Lafayette	Abcq	TBAR	7-Jun-13	12850 E. Nine Mile	55	87,095	39.506	Alger
1633	GLC15772	1004/1005	7-Jun-13	151 Lafayette	Abcq	TBAR	7-Jun-13	12850 E. Nine Mile	55	86,764	39.356	Alger
1634	GLC15773	78/2147A	7-Jun-13	151 Lafayette	Abcq	TBAR	7-Jun-13	12850 E. Nine Mile	55	86,540	39.254	Alger
1635	GLC15774	2149/2149A	7-Jun-13	151 Lafayette	Abcq	TBAR	7-Jun-13	12850 E. Nine Mile	55	86,461	39.218	Alger
1636	GLC15775	711/2138A	7-Jun-13	151 Lafayette	Abcq	TBAR	7-Jun-13	12850 E. Nine Mile	58	87,519	39.698	Alger
1637	GLC15776	1004/1005	7-Jun-13	151 Lafayette	Abcq	TBAR	7-Jun-13	12850 E. Nine Mile	56	87,144	39.528	Alger
1638	GLC15777	78/2147A	7-Jun-13	151 Lafayette	Abcq	TBAR	7-Jun-13	12850 E. Nine Mile	55	86,974	39.451	Alger
1639	GLC15778	2149/2149A	7-Jun-13	151 Lafayette	Abcq	TBAR	7-Jun-13	12850 E. Nine Mile	55	86,513	39.242	Alger
1640	GLC15779	711/2138A	7-Jun-13	151 Lafayette	Abcq	TBAR	7-Jun-13	12850 E. Nine Mile	55	86,741	39.345	Alger
1641	GLC15780	1004/1005	7-Jun-13	151 Lafayette	Abcq	TBAR	7-Jun-13	12850 E. Nine Mile	55	86,528	39.248	Alger
1642	GLC15781	78/2147A	7-Jun-13	151 Lafayette	Abcq	TBAR	7-Jun-13	12850 E. Nine Mile	55	86,736	39.343	Alger
1643	GLC15782	2149/2149A	7-Jun-13	151 Lafayette	Abcq	TBAR	7-Jun-13	12850 E. Nine Mile	55	86,866	39.402	Alger
1644	GLC15783	711/2137A	7-Jun-13	151 Lafayette	Abcq	TBAR	7-Jun-13	12850 E. Nine Mile	55	86,716	39.334	Alger
1645	GLC15784	78/2147A	7-Jun-13	151 Lafayette	Abcq	TBAR	7-Jun-13	12850 E. Nine Mile	55	86,888	39.412	Alger
1646	GLC13715	111/2137A	10-Jun-13	20495 Pennsylvania	Abi	TBAR	10-Jun-13	17423 West Jefferson	53	86,399	39.190	Alger
1647	GLC13716LTL	342/2136	10-Jun-13	20495 Pennsylvania	Abi	TBAR	10-Jun-13	17423 West Jefferson	9	14,672	6.655	Alger
1648	GLC13998	7982/1241A	10-Jun-13	4815 Cabot	ME Alcoa	SOW	10-Jun-13	6490 Lynch	64	87,419	39.653	Alger
1649	GLC13999	7982/1241A	10-Jun-13	4815 Cabot	ME Alcoa	SOW	10-Jun-13	6490 Lynch	66	86,672	39.314	Alger
1650	GLC14000	7982/1241A	10-Jun-13	4815 Cabot	ME Alcoa	SOW	10-Jun-13	6490 Lynch	65	87,812	39.831	Alger
1651	GLC14001	535/200	10-Jun-13	4815 Cabot	ME Alcoa	SOW	10-Jun-13	6490 Lynch	65	87,025	39.474	Alger
1652	GLC14002	35/35A	10-Jun-13	4815 Cabot	ME Alcoa	SOW	10-Jun-13	6490 Lynch	64	86,882	39.409	Alger
1653	GLC14003	535/200	10-Jun-13	4815 Cabot	ME Alcoa	SOW	10-Jun-13	6490 Lynch	64	87,382	39.636	Alger
1654	GLC14004	535/200	10-Jun-13	4815 Cabot	ME Alcoa	SOW	10-Jun-13	6490 Lynch	68	87,323	39.609	Alger
1655	GLC14005	35/35A	10-Jun-13	4815 Cabot	ME Alcoa	SOW	10-Jun-13	6490 Lynch	66	87,930	39.884	Alger
1656	GLC14217	2137A	10-Jun-13	6307 West Fort St.	Abcq	TBAR	10-Jun-13	9450 Buffalo	55	87,138	39.525	Alger
1657	GLC14218	2140A	10-Jun-13	6307 West Fort St.	Abcq	TBAR	10-Jun-13	9450 Buffalo	55	87,322	39.609	Alger
1658	GLC14219	2139A	10-Jun-13	6307 West Fort St.	Abcq	TBAR	10-Jun-13	9450 Buffalo	59	87,840	39.844	Alger
1659	GLC14220	2137A	10-Jun-13	6307 West Fort St.	Abcq	TBAR	10-Jun-13	9450 Buffalo	55	86,805	39.374	Alger
1660	GLC14221	2140A	10-Jun-13	6307 West Fort St.	Abcq	TBAR	10-Jun-13	9450 Buffalo	58	86,945	39.438	Alger
1661	GLC14222	2139A	10-Jun-13	6307 West Fort St.	Abcq	TBAR	10-Jun-13	9450 Buffalo	55	87,429	39.657	Alger
1662	GLC14223	2137A	10-Jun-13	6307 West Fort St.	Abcq	TBAR	10-Jun-13	9450 Buffalo	56	86,872	39.405	Alger
1663	GLC14224	2140A	10-Jun-13	6307 West Fort St.	Abcq	TBAR	10-Jun-13	9450 Buffalo	55	87,381	39.635	Alger
1664	GLC14225	2139A	10-Jun-13	6307 West Fort St.	Abcq	TBAR	10-Jun-13	9450 Buffalo	58	87,154	39.532	Alger
1665	GLC14226	2140A	10-Jun-13	6307 West Fort St.	Abcq	TBAR	10-Jun-13	9450 Buffalo	59	86,441	39.209	Alger

	M	N	O
1621	120	$200.00	$200.00
1622	120	$200.00	$200.00
1623	120	$200.00	$200.00
1624	120	$200.00	$200.00
1625	120	$200.00	$200.00
1626	120	$200.00	$200.00
1627	120	$200.00	$200.00
1628	120	$200.00	$200.00
1629	120	$200.00	$200.00
1630	120	$200.00	$200.00
1631	15770-01	$235.00	$235.00
1632	15771-01	$235.00	$235.00
1633	15772-01	$235.00	$235.00
1634	15773-01	$235.00	$235.00
1635	15774-01	$235.00	$235.00
1636	15775-01	$235.00	$235.00
1637	15776-01	$235.00	$235.00
1638	155777-01	$235.00	$235.00
1639	15778-01	$235.00	$235.00
1640	15779-01	$235.00	$235.00
1641	15780-01	$235.00	$235.00
1642	15781-01	$235.00	$235.00
1643	15782-01	$235.00	$235.00
1644	15783-01	$235.00	$235.00
1645	15784-01	$235.00	$235.00
1646	13715-01	$215.00	$215.00
1647	13716-01	$215.00	$215.00
1648	13998-01	$235.00	$235.00
1649	13999-01	$235.00	$235.00
1650	14000-01	$235.00	$235.00
1651	14001-01	$235.00	$235.00
1652	14002-01	$235.00	$235.00
1653	14003-01	$235.00	$235.00
1654	14004-01	$235.00	$235.00
1655	14005-01	$235.00	$235.00
1656	14217-01	$225.00	$225.00
1657	14218-01	$225.00	$225.00
1658	14219-01	$225.00	$225.00
1659	14220-01	$225.00	$225.00
1660	14221-01	$225.00	$225.00
1661	14222-01	$225.00	$225.00
1662	14223-01	$225.00	$225.00
1663	14224-01	$225.00	$225.00
1664	14225-01	$225.00	$225.00
1665	14226-01	$225.00	$225.00

	A	B	C	D	E	F	G	H	I	J	K	L
1666	GLC14401	35A	10-Jun-13	13542 Helen	Alcan	SOW	10-Jun-13	1200 E. McNichols	58	87,684	39.773	Alger
1667	GLC14402	35A	10-Jun-13	13542 Helen	Alcan	SOW	10-Jun-13	1200 E. McNichols	57	86,913	39.423	Alger
1668	GLC14641	L20	10-Jun-13	17423 West Jefferson	Abcq/Ormet	TBAR/SOW	10-Jun-13	20495 Pennsylvania	59	87,704	39.782	Classic Cartage
1669	GLC14642	1018	10-Jun-13	17423 West Jefferson	Ormet	SOW	10-Jun-13	20495 Pennsylvania	60	86,988	39.457	Four Star
1670	GLC14643	80	10-Jun-13	17423 West Jefferson	Ormet/Alcoa/Alcan	SOW	10-Jun-13	20495 Pennsylvania	64	87,820	39.835	Classic Cartage
1671	GLC14644	L20	10-Jun-13	17423 West Jefferson	Alcoa	SOW	10-Jun-13	20495 Pennsylvania	65	87,718	39.788	Classic Cartage
1672	GLC14645	1018	10-Jun-13	17423 West Jefferson	Alcoa/Alcan	SOW/TBAR	10-Jun-13	20495 Pennsylvania	60	86,913	39.423	Four Star
1673	GLC14646	80	10-Jun-13	17423 West Jefferson	Alcan	TBAR	10-Jun-13	20495 Pennsylvania	57	87,131	39.522	Classic Cartage
1674	GLC14647	1022	10-Jun-13	17423 West Jefferson	Alcan	TBAR	10-Jun-13	20495 Pennsylvania	57	87,165	39.537	Four Star
1675	GLC14648	1018	10-Jun-13	17423 West Jefferson	Alcan	TBAR	10-Jun-13	20495 Pennsylvania	57	87,037	39.479	Four Star
1676	GLC14649	611A9B	10-Jun-13	17423 West Jefferson	Alcan	SOW	10-Jun-13	20495 Pennsylvania	66	87,971	39.903	Classic Cartage
1677	GLC14650	6378	10-Jun-13	17423 West Jefferson	Alcan	SOW	10-Jun-13	20495 Pennsylvania	67	87,597	39.733	Four Star
1678	GLC14869	924/5428	10-Jun-13	1200 E. McNichols	Alma	SOW	10-Jun-13	13542 Helen St	66	87,223	39.564	Classic Cartage
1679	GLC14917	1011/80150	10-Jun-13	1200 E. McNichols	Alcoa	SOW	10-Jun-13	4815 Cabot	65	87,488	39.684	Four Star
1680	GLC14918	093/9941AB	10-Jun-13	1200 E. McNichols	ME Alcoa	SOW	10-Jun-13	4815 Cabot	62	87,175	39.542	Classic Cartage
1681	GLC14919	924/5428	10-Jun-13	1200 E. McNichols	ME Alcoa	SOW	10-Jun-13	4815 Cabot	64	87,495	39.687	Classic Cartage
1682	GLC14920	06/806	10-Jun-13	1200 E. McNichols	ME Alcoa	SOW	10-Jun-13	4815 Cabot	65	87,632	39.749	Classic Cartage
1683	GLC14921	1011/80150	10-Jun-13	1200 E. McNichols	ME Alcoa	SOW	10-Jun-13	13542 Helen St	65	87,939	39.889	Four Star
1684	GLC14922	924/5428	10-Jun-13	1200 E. McNichols	ME Alcoa	SOW	10-Jun-13	4815 Cabot	65	87,164	39.537	Classic Cartage
1685	GLC14923	924/5428	10-Jun-13	1200 E. McNichols	ME Alcoa	SOW	10-Jun-13	4815 Cabot	64	86,643	39.301	Classic Cartage
1686	GLC14924	093/9941AB	10-Jun-13	1200 E. McNichols	ME Alcoa	SOW	10-Jun-13	4815 Cabot	64	86,873	39.405	Classic Cartage
1687	GLC14925	06/806	10-Jun-13	1200 E. McNichols	ME Alcoa	SOW	10-Jun-13	4815 Cabot	65	87,505	39.692	Classic Cartage
1688	GLC14926	093/9941AB	10-Jun-13	1200 E. McNichols	ME Alcoa	SOW	10-Jun-13	4815 Cabot	66	87,577	39.724	Classic Cartage
1689	GLC14927	200/81045	10-Jun-13	1200 E. McNichols	ME Alcoa	SOW	10-Jun-13	4815 Cabot	64	87,160	39.535	Four Star
1690	GLC14928	1031/80245	10-Jun-13	1200 E. McNichols	ME Alcoa/Ormet	SOW	10-Jun-13	4815 Cabot	64	87,811	39.830	Four Star
1691	GLC14929	1011/80150	10-Jun-13	1200 E. McNichols	Ormet	SOW	10-Jun-13	4815 Cabot	61	88,034	39.932	Four Star
1692	GLC14930	06/806	10-Jun-13	1200 E. McNichols	Ormet	SOW	10-Jun-13	4815 Cabot	67	87,159	39.535	Classic Cartage
1693	GLC15304	4/4B	10-Jun-13	26090 23 Mile Rd	Abcq	TBAR	10-Jun-13	50703 E Russell	55	86,744	39.346	
1694	GLC15305	108/808	10-Jun-13	26090 23 Mile Rd	Abcq	TBAR	10-Jun-13	50703 E Russell	55	86,562	39.264	Classic Cartage
1695	GLC15306	520/520AB	10-Jun-13	26090 23 Mile Rd	Abcq	TBAR	10-Jun-13	50703 E Russell	58	87,304	39.600	Classic Cartage
1696	GLC15307	4/4B	10-Jun-13	26090 23 Mile Rd	Abcq	TBAR	10-Jun-13	50703 E Russell	57	87,455	39.669	
1697	GLC15308	108/808	10-Jun-13	26090 23 Mile Rd	Abcq	TBAR	10-Jun-13	50703 E Russell	57	87,272	39.586	Classic Cartage
1698	GLC15309	520/520AB	10-Jun-13	26090 23 Mile Rd	Abcq	TBAR	10-Jun-13	50703 E Russell	55	86,443	39.210	Classic Cartage
1699	GLC15310	4/4B	10-Jun-13	26090 23 Mile Rd	Abcq	TBAR	10-Jun-13	50703 E Russell	55	86,795	39.370	
1700	GLC15311	108/808	10-Jun-13	26090 23 Mile Rd	Abcq	TBAR	10-Jun-13	50703 E Russell	60	87,857	39.851	Classic Cartage
1701	GLC15312	520/520AB	10-Jun-13	26090 23 Mile Rd	Abcq	TBAR	10-Jun-13	50703 E Russell	56	87,023	39.473	Classic Cartage
1702	GLC15313	4/4B	10-Jun-13	26090 23 Mile Rd	Abcq	TBAR	10-Jun-13	50703 E Russell	58	86,970	39.449	
1703	GLC15314	108/808	10-Jun-13	26090 23 Mile Rd	Abcq	TBAR	10-Jun-13	50703 E Russell	62	87,116	39.515	Classic Cartage
1704	GLC15315	520/520AB	10-Jun-13	26090 23 Mile Rd	Abcq	TBAR	10-Jun-13	50703 E Russell	57	87,005	39.465	Classic Cartage
1705	GLC15316	4/4B	10-Jun-13	26090 23 Mile Rd	Abcq	TBAR	10-Jun-13	50703 E Russell	58	87,412	39.649	
1706	GLC15317	108/808	10-Jun-13	26090 23 Mile Rd	Abcq	TBAR	10-Jun-13	50703 E Russell	61	86,907	39.420	Classic Cartage
1707	GLC15318	520/520AB	10-Jun-13	26090 23 Mile Rd	Abcq	TBAR	10-Jun-13	50703 E Russell	57	86,618	39.289	Classic Cartage
1708	GLC15785	711/2138A	10-Jun-13	151 Lafayette	Abcq	TBAR	10-Jun-13	12850 E. Nine Mile	61	86,684	39.319	Alger
1709	GLC15786	9934/2144A	10-Jun-13	151 Lafayette	Abcq	TBAR	10-Jun-13	12850 E. Nine Mile	56	86,498	39.235	Alger
1710	GLC15787	2149/2149A	10-Jun-13	151 Lafayette	Abcq	TBAR	10-Jun-13	12850 E. Nine Mile	57	86,745	39.347	Alger

	M	N	O
1666	14401-01	$215.00	$215.00
1667	14402-01	$215.00	$215.00
1668	122	$200.00	$200.00
1669	1554121-00	$250.00	$250.00
1670	122	$200.00	$200.00
1671	122	$200.00	$200.00
1672	1554122-00	$250.00	$250.00
1673	122	$200.00	$200.00
1674	1554123-00	$250.00	$250.00
1675	1554125-00	$250.00	$250.00
1676	122	$200.00	$200.00
1677	1554124-00	$250.00	$250.00
1678	122	$200.00	$200.00
1679	1554126-00	$250.00	$250.00
1680	122	$200.00	$200.00
1681	122	$200.00	$200.00
1682	122	$200.00	$200.00
1683	1554127-00	$250.00	$250.00
1684	122	$200.00	$200.00
1685	122	$200.00	$200.00
1686	122	$200.00	$200.00
1687	122	$200.00	$200.00
1688	122	$200.00	$200.00
1689	1554128-00	$250.00	$250.00
1690	1554130-00	$250.00	$250.00
1691	1554129-00	$250.00	$250.00
1692	122	$200.00	$200.00
1693			
1694	122	$200.00	$200.00
1695	122	$200.00	$200.00
1696			
1697	122	$200.00	$200.00
1698	122	$200.00	$200.00
1699			
1700	122	$200.00	$200.00
1701	122	$200.00	$200.00
1702			
1703	122	$200.00	$200.00
1704	122	$200.00	$200.00
1705			
1706	122	$200.00	$200.00
1707	122	$200.00	$200.00
1708	15785-01	$235.00	$235.00
1709	15786-01	$235.00	$235.00
1710	15787-01	$235.00	$235.00

	A	B	C	D	E	F	G	H	I	J	K	L
1711	GLC15788	711/2138A	10-Jun-13	151 Lafayette	Abcq	TBAR	10-Jun-13	12850 E. Nine Mile	56	86,675	39.315	Alger
1712	GLC15789	78/2147A	10-Jun-13	151 Lafayette	Abcq	TBAR	10-Jun-13	12850 E. Nine Mile	54	86,436	39.207	Alger
1713	GLC15790	9934/2144A	10-Jun-13	151 Lafayette	Abcq	TBAR	10-Jun-13	12850 E. Nine Mile	55	86,925	39.429	Alger
1714	GLC15791	78/2147A	10-Jun-13	151 Lafayette	Abcq	TBAR	10-Jun-13	12850 E. Nine Mile	55	86,828	39.385	Alger
1715	GLC15792	2149/2149A	10-Jun-13	151 Lafayette	Abcq	TBAR	10-Jun-13	12850 E. Nine Mile	59	86,740	39.345	Alger
1716	GLC15793	711/2138A	10-Jun-13	151 Lafayette	Abcq	TBAR	10-Jun-13	12850 E. Nine Mile	55	87,097	39.507	Alger
1717	GLC15794	2149/2149A	10-Jun-13	151 Lafayette	Abcq	TBAR	10-Jun-13	12850 E. Nine Mile	58	87,367	39.629	Alger
1718	GLC15795	9934/2144A	10-Jun-13	151 Lafayette	Abcq	TBAR	10-Jun-13	12850 E. Nine Mile	58	87,840	39.844	Alger
1719	GLC15796	78/2147A	10-Jun-13	151 Lafayette	Abcq	TBAR	10-Jun-13	12850 E. Nine Mile	58	86,836	39.388	Alger
1720	GLC15797	711/2138A	10-Jun-13	151 Lafayette	Abcq	TBAR	10-Jun-13	12850 E. Nine Mile	55	86,716	39.334	Alger
1721	GLC15798	2149/2149A	10-Jun-13	151 Lafayette	Abcq	TBAR	10-Jun-13	12850 E. Nine Mile	59	86,842	39.391	Alger
1722	GLC15799	9934/2144A	10-Jun-13	151 Lafayette	Abcq	TBAR	10-Jun-13	12850 E. Nine Mile	59	87,315	39.605	Alger
1723	GLC13911LTL	417/418A	11-Jun-13	1725 Cicolte Ave.	Abcq	TBAR	11-Jun-13	20495 Pennsylvania	12	17,524	7.949	Alger
1724	GLC14006	7982	11-Jun-13	4815 Cabot	ME Alcoa	SOW	11-Jun-13	6490 Lynch	66	87,793	39.822	Alger
1725	GLC14007	535/200	11-Jun-13	4815 Cabot	ME Alcoa	SOW	11-Jun-13	6490 Lynch	65	87,851	39.849	Alger
1726	GLC14008	535/200	11-Jun-13	4815 Cabot	ME Alcoa	SOW	11-Jun-13	6490 Lynch	65	86,988	39.457	Alger
1727	GLC14009	35/35A	11-Jun-13	4815 Cabot	ME Alcoa	SOW	11-Jun-13	6490 Lynch	63	87,837	39.842	Alger
1728	GLC14010	7982/1241A	11-Jun-13	4815 Cabot	ME Alcoa	SOW	11-Jun-13	6490 Lynch	65	87,147	39.529	Alger
1729	GLC14011	535/200	11-Jun-13	4815 Cabot	ME Alcoa	SOW	11-Jun-13	6490 Lynch	67	87,687	39.774	Alger
1730	GLC14012	7982/1241A	11-Jun-13	4815 Cabot	ME Alcoa	SOW	11-Jun-13	6490 Lynch	67	87,623	39.745	Alger
1731	GLC14013	35/35A	11-Jun-13	4815 Cabot	ME Alcoa	SOW	11-Jun-13	6490 Lynch	64	87,660	39.762	Alger
1732	GLC14227	2137A	11-Jun-13	6307 West Fort St.	Abcq	TBAR	11-Jun-13	9450 Buffalo	55	87,105	39.510	Alger
1733	GLC14228	2140A	11-Jun-13	6307 West Fort St.	Abcq	TBAR	11-Jun-13	9450 Buffalo	55	87,203	39.555	Alger
1734	GLC14229	2139A	11-Jun-13	6307 West Fort St.	Abcq	TBAR	11-Jun-13	9450 Buffalo	55	86,951	39.440	Alger
1735	GLC14230	2140A	11-Jun-13	6307 West Fort St.	Abcq	TBAR	11-Jun-13	9450 Buffalo	60	87,122	39.518	Alger
1736	GLC14231	2137A	11-Jun-13	6307 West Fort St.	Abcq	TBAR	11-Jun-13	9450 Buffalo	50	86,863	39.400	Alger
1737	GLC14232	2139A	11-Jun-13	6307 West Fort St.	Abcq	TBAR	11-Jun-13	9450 Buffalo	58	87,297	39.597	Alger
1738	GLC14233	2133A	11-Jun-13	6307 West Fort St.	Abcq	TBAR	11-Jun-13	9450 Buffalo	55	87,236	39.570	Alger
1739	GLC14234	2137A	11-Jun-13	6307 West Fort St.	Abcq	TBAR	11-Jun-13	9450 Buffalo	55	87,538	39.707	Alger
1740	GLC14235	2140A	11-Jun-13	6307 West Fort St.	Abcq	TBAR	11-Jun-13	9450 Buffalo	59	87,857	39.851	Alger
1741	GLC14236	2139A	11-Jun-13	6307 West Fort St.	Abcq	TBAR	11-Jun-13	9450 Buffalo	55	87,016	39.470	Alger
1742	GLC14403	35/35A	11-Jun-13	13542 Helen	Alcan	SOW	11-Jun-13	1200 E. McNichols	58	87,528	39.702	Alger
1743	GLC14404	35/35A	11-Jun-13	13542 Helen	Alcan/ME Alcoa	SOW	11-Jun-13	1200 E. McNichols	60	87,219	39.562	Alger
1744	GLC14494	2140A	11-Jun-13	9450 Buffalo	Deschambault	TBAR	11-Jun-13	2599 22nd St	56	84,794	38.462	Alger
1745	GLC14651	1011A	11-Jun-13	17423 West Jefferson	Alcan	SOW	11-Jun-13	20495 Pennsylvania	63	87,387	39.638	Four Star
1746	GLC14652	1029A	11-Jun-13	17423 West Jefferson	ME Alcoa/Alcan	SOW	11-Jun-13	20495 Pennsylvania	62	87,393	39.641	Four Star
1747	GLC14653	80	11-Jun-13	17423 West Jefferson	ME Alcoa/Alcan	SOW/TBAR	11-Jun-13	20495 Pennsylvania	60	87,637	39.752	Classic Cartage
1748	GLC14654	1018	11-Jun-13	17423 West Jefferson	Alcan	TBAR	11-Jun-13	20495 Pennsylvania	57	87,084	39.501	Four Star
1749	GLC14655	309	11-Jun-13	17423 West Jefferson	Alcan/Ormet	TBAR/SOW	11-Jun-13	20495 Pennsylvania	58	86,712	39.332	Classic Cartage
1750	GLC14656	1029A	11-Jun-13	17423 West Jefferson	Ormet	SOW	11-Jun-13	20495 Pennsylvania	59	86,852	39.395	Four Star
1751	GLC14657	80	11-Jun-13	17423 West Jefferson	Ormet	SOW	11-Jun-13	20495 Pennsylvania	61	86,757	39.352	Classic Cartage
1752	GLC14658	309	11-Jun-13	17423 West Jefferson	Ormet	SOW	11-Jun-13	20495 Pennsylvania	59	87,738	39.797	Classic Cartage
1753	GLC14659	1018	11-Jun-13	17423 West Jefferson	Ormet/Abcq	SOW/TBAR	11-Jun-13	20495 Pennsylvania	60	87,708	39.784	Four Star
1754	GLC14660	80	11-Jun-13	17423 West Jefferson	Abcq	TBAR	11-Jun-13	20495 Pennsylvania	56	87,482	39.681	Classic Cartage
1755	GLC14931	1025/C920775	11-Jun-13	1200 E. McNichols	Ormet	SOW	11-Jun-13	13550 Helen	57	87,869	39.857	Four Star

	M	N	O
1711	15789-01	$235.00	$235.00
1712	15789-01	$235.00	$235.00
1713	15790-01	$235.00	$235.00
1714	15791-01	$235.00	$235.00
1715	15792-01	$235.00	$235.00
1716	15793-01	$235.00	$235.00
1717	15794-01	$235.00	$235.00
1718	15795-01	$235.00	$235.00
1719	15796-01	$235.00	$235.00
1720	15797-01	$235.00	$235.00
1721	15798-01	$235.00	$235.00
1722	15799-01	$235.00	$235.00
1723	13911-01	$225.00	$225.00
1724	14006-01	$235.00	$235.00
1725	14007-01	$235.00	$235.00
1726	14008-01	$235.00	$235.00
1727	14009-01	$235.00	$235.00
1728	14010-01	$235.00	$235.00
1729	14011-01	$235.00	$235.00
1730	14012-01	$235.00	$235.00
1731	14013-01	$235.00	$235.00
1732	14227-01	$225.00	$225.00
1733	14228-01	$225.00	$225.00
1734	14229-01	$225.00	$225.00
1735	14230-01	$225.00	$225.00
1736	14231-01	$225.00	$225.00
1737	14232-01	$225.00	$225.00
1738	14233-01	$225.00	$225.00
1739	14234-01	$225.00	$225.00
1740	14235-01	$225.00	$225.00
1741	14236-01	$225.00	$225.00
1742	14403-01	$215.00	$215.00
1743	14404-01	$215.00	$215.00
1744	14494-01	$225.00	$225.00
1745	1554327-00	$250.00	$250.00
1746	1554328-00	$250.00	$250.00
1747	122	$200.00	$200.00
1748	1554329-00	$250.00	$250.00
1749	125	$200.00	$200.00
1750	1554330-00	$250.00	$250.00
1751	122	$200.00	$200.00
1752	125	$200.00	$200.00
1753	1554331-00	$250.00	$250.00
1754	122	$200.00	$200.00
1755	1554725-00	$250.00	$250.00

	A	B	C	D	E	F	G	H	I	J	K	L
1756	GLC14933	093/9941AB	11-Jun-13	1200 E. McNichols	Ormet	SOW	11-Jun-13	13550 Helen	62	87,702	39.781	Classic Cartage
1757	GLC14934	093/9941AB	11-Jun-13	1200 E. McNichols	Ormet	SOW	11-Jun-13	13550 Helen	61	86,970	39.449	Classic Cartage
1758	GLC14935	1011/80150	11-Jun-13	1200 E. McNichols	Ormet	SOW	11-Jun-13	13550 Helen	62	87,497	39.688	Four Star
1759	GLC14936	06/806	11-Jun-13	1200 E. McNichols	Ormet	SOW	11-Jun-13	13550 Helen	63	87,059	39.489	Classic Cartage
1760	GLC14937	1025/81045	11-Jun-13	1200 E. McNichols	Ormet	SOW	11-Jun-13	13550 Helen	65	87,844	39.845	Four Star
1761	GLC14938	06/806	11-Jun-13	1200 E. McNichols	Ormet	SOW	11-Jun-13	13550 Helen	62	87,303	39.600	Classic Cartage
1762	GLC14939	924/5428	11-Jun-13	1200 E. McNichols	Ormet	SOW	11-Jun-13	13550 Helen	61	87,947	39.892	Classic Cartage
1763	GLC14940	06/806	11-Jun-13	1200 E. McNichols	Ormet/Sha	SOW	11-Jun-13	13550 Helen	56	87,379	39.634	Classic Cartage
1764	GLC14941	924/5428	11-Jun-13	1200 E. McNichols	Sha	SOW	11-Jun-13	13550 Helen	54	87,025	39.474	Classic Cartage
1765	GLC14942	1011/80150	11-Jun-13	1200 E. McNichols	Sha/Abcq	SOW/TBAR	11-Jun-13	13550 Helen	55	87,194	39.551	Four Star
1766	GLC14943	093/9941AB	11-Jun-13	1200 E. McNichols	Abcq	TBAR	11-Jun-13	13550 Helen	57	86,769	39.358	Classic Cartage
1767	GLC14944	1011/80150	11-Jun-13	1200 E. McNichols	Abcq	TBAR	11-Jun-13	13550 Helen	55	86,461	39.218	Four Star
1768	GLC14945	924/5428	11-Jun-13	1200 E. McNichols	Abcq	TBAR	11-Jun-13	13550 Helen	55	86,620	39.290	Classic Cartage
1769	GLC14946	093/9941AB	11-Jun-13	1200 E. McNichols	Abcq	TBAR	11-Jun-13	13550 Helen	55	86,619	39.290	Classic Cartage
1770	GLC15319	520/520AB	11-Jun-13	26090 23 Mile Rd	Abcq	TBAR	11-Jun-13	50703 E Russell	55	86,577	39.271	Classic Cartage
1771	GLC15320	4/4B	11-Jun-13	26090 23 Mile Rd	Abcq	TBAR	11-Jun-13	50703 E Russell	60	86,897	39.416	
1772	GLC15321	108/808	11-Jun-13	26090 23 Mile Rd	Abcq	TBAR	11-Jun-13	50703 E Russell	57	86,851	39.395	Classic Cartage
1773	GLC15322	520/520AB	11-Jun-13	26090 23 Mile Rd	Abcq	TBAR	11-Jun-13	50703 E Russell	56	86,688	39.321	Classic Cartage
1774	GLC15323	4/4B	11-Jun-13	26090 23 Mile Rd	Abcq	TBAR	11-Jun-13	50703 E Russell	58	87,850	39.848	
1775	GLC15324	108/808	11-Jun-13	26090 23 Mile Rd	Abcq	TBAR	11-Jun-13	50703 E Russell	56	87,295	39.596	Classic Cartage
1776	GLC15325	520/520AB	11-Jun-13	26090 23 Mile Rd	Abcq	TBAR	11-Jun-13	50703 E Russell	60	87,135	39.524	Classic Cartage
1777	GLC15326	4/4B	11-Jun-13	26090 23 Mile Rd	Abcq	TBAR	11-Jun-13	50703 E Russell	56	87,684	39.773	
1778	GLC15327	108/808	11-Jun-13	26090 23 Mile Rd	Abcq	TBAR	11-Jun-13	50703 E Russell	59	87,073	39.496	Classic Cartage
1779	GLC15328	520/520AB	11-Jun-13	26090 23 Mile Rd	Abcq	TBAR	11-Jun-13	50703 E Russell	57	86,578	39.271	Classic Cartage
1780	GLC15329	4/4B	11-Jun-13	26090 23 Mile Rd	Abcq	TBAR	11-Jun-13	50703 E Russell	57	86,944	39.437	
1781	GLC15330	108/808	11-Jun-13	26090 23 Mile Rd	Abcq	TBAR	11-Jun-13	50703 E Russell	59	87,605	39.737	Classic Cartage
1782	GLC15331	520/520AB	11-Jun-13	26090 23 Mile Rd	Abcq	TBAR	11-Jun-13	50703 E Russell	55	86,775	39.361	Classic Cartage
1783	GLC15332	4/4B	11-Jun-13	26090 23 Mile Rd	Abcq	TBAR	11-Jun-13	50703 E Russell	58	86,814	39.378	
1784	GLC15333	108/808	11-Jun-13	26090 23 Mile Rd	Abcq	TBAR	11-Jun-13	50703 E Russell	55	87,260	39.581	Classic Cartage
1785	GLC15800	711/2138A	11-Jun-13	151 Lafayette	Abcq	TBAR	11-Jun-13	12850 E. Nine Mile	58	86,471	39.223	Alger
1786	GLC15801	9934/2144A	11-Jun-13	151 Lafayette	Abcq	TBAR	11-Jun-13	12850 E. Nine Mile	58	87,649	39.757	Alger
1787	GLC15802	2149/2149A	11-Jun-13	151 Lafayette	Abcq	TBAR	11-Jun-13	12850 E. Nine Mile	58	87,718	39.788	Alger
1788	GLC15803	78/2147A	11-Jun-13	151 Lafayette	Abcq	TBAR	11-Jun-13	12850 E. Nine Mile	61	87,836	39.842	Alger
1789	GLC15804	711/2138A	11-Jun-13	151 Lafayette	Abcq	TBAR	11-Jun-13	12850 E. Nine Mile	61	87,652	39.758	Alger
1790	GLC15805	9934/2144A	11-Jun-13	151 Lafayette	Abcq	TBAR	11-Jun-13	12850 E. Nine Mile	60	86,716	39.334	Alger
1791	GLC15806	2149/2149A	11-Jun-13	151 Lafayette	Abcq	TBAR	11-Jun-13	12850 E. Nine Mile	55	86,893	39.414	Alger
1792	GLC15807	78/2147A	11-Jun-13	151 Lafayette	Abcq	TBAR	11-Jun-13	12850 E. Nine Mile	58	86,811	39.377	Alger
1793	GLC15808	711/2138A	11-Jun-13	151 Lafayette	Abcq	TBAR	11-Jun-13	12850 E. Nine Mile	55	86,634	39.297	Alger
1794	GLC15809	9934/2144A	11-Jun-13	151 Lafayette	Abcq	TBAR	11-Jun-13	12850 E. Nine Mile	58	86,690	39.322	Alger
1795	GLC15810	2149/2149A	11-Jun-13	151 Lafayette	Abcq	TBAR	11-Jun-13	12850 E. Nine Mile	55	86,869	39.403	Alger
1796	GLC15811	78/2147A	11-Jun-13	151 Lafayette	Abcq	TBAR	11-Jun-13	12850 E. Nine Mile	58	86,736	39.343	Alger
1797	GLC15812	711/2138A	11-Jun-13	151 Lafayette	Abcq	TBAR	11-Jun-13	12850 E. Nine Mile	57	86,558	39.262	Alger
1798	GLC15813	9934/2144A	11-Jun-13	151 Lafayette	Abcq	TBAR	11-Jun-13	12850 E. Nine Mile	55	86,573	39.269	Alger
1799	GLC15814	2149/2149A	11-Jun-13	151 Lafayette	Abcq	TBAR	11-Jun-13	12850 E. Nine Mile	56	87,297	39.597	Alger
1800	GLC14014	351	12-Jun-13	4815 Cabot	ME Alcoa	SOW	12-Jun-13	6490 Lynch	65	87,961	39.898	Alger

	M	N	O
1756	122	$200.00	$200.00
1757	122	$200.00	$200.00
1758	1554334-00	$250.00	$250.00
1759	122	$200.00	$200.00
1760	1554335-00	$250.00	$250.00
1761	122	$200.00	$200.00
1762	122	$200.00	$200.00
1763	122	$200.00	$200.00
1764	122	$200.00	$200.00
1765	1554336-00	$250.00	$250.00
1766	122	$200.00	$200.00
1767	1554337-00	$250.00	$250.00
1768	122	$200.00	$200.00
1769	122	$200.00	$200.00
1770	122	$200.00	$200.00
1771			
1772	122	$200.00	$200.00
1773	122	$200.00	$200.00
1774			
1775	122	$200.00	$200.00
1776	122	$200.00	$200.00
1777			
1778	122	$200.00	$200.00
1779	122	$200.00	$200.00
1780			
1781	122	$200.00	$200.00
1782	122	$200.00	$200.00
1783			
1784	122	$200.00	$200.00
1785	15800.01	$235.00	$235.00
1786	15801-01	$235.00	$235.00
1787	15802-01	$235.00	$235.00
1788	15803-01	$235.00	$235.00
1789	15804-01	$235.00	$235.00
1790	15805-01	$235.00	$235.00
1791	15806-01	$235.00	$235.00
1792	15807-01	$235.00	$235.00
1793	15808-01	$235.00	$235.00
1794	15809-01	$235.00	$235.00
1795	15810-01	$235.00	$235.00
1796	15811-01	$235.00	$235.00
1797	15812-01	$235.00	$235.00
1798	15813-01	$235.00	$235.00
1799	15814-01	$235.00	$235.00
1800	14014-01	$235.00	$235.00

	A	B	C	D	E	F	G	H	I	J	K	L
1801	GLC14015	35/35A	12-Jun-13	4815 Cabot	ME Alcoa	SOW	12-Jun-13	6490 Lynch	64	87,770	39.812	Alger
1802	GLC14016	7982/1241A	12-Jun-13	4815 Cabot	ME Alcoa	SOW	12-Jun-13	6490 Lynch	66	87,913	39.877	Alger
1803	GLC14017	535/200	12-Jun-13	4815 Cabot	ME Alcoa	SOW	12-Jun-13	6490 Lynch	65	87,562	39.718	Alger
1804	GLC14018	535/200	12-Jun-13	4815 Cabot	ME Alcoa	SOW	12-Jun-13	6490 Lynch	64	86,983	39.455	Alger
1805	GLC14019	535/200	12-Jun-13	4815 Cabot	ME Alcoa	SOW	12-Jun-13	6490 Lynch	65	87,726	39.792	Alger
1806	GLC14020	79882/1241A	12-Jun-13	4815 Cabot	ME Alcoa	SOW	12-Jun-13	6490 Lynch	67	87,963	39.899	Alger
1807	GLC14021	7982/1241A	12-Jun-13	4815 Cabot	ME Alcoa	SOW	12-Jun-13	6490 Lynch	66	87,682	39.772	Alger
1808	GLC14237	95	12-Jun-13	6307 West Fort St.	Abcq	TBAR	12-Jun-13	9450 Buffalo	55	87,381	39.635	Alger
1809	GLC14238	2140A	12-Jun-13	6307 West Fort St.	Abcq	TBAR	12-Jun-13	9450 Buffalo	56	87,812	39.831	Alger
1810	GLC14239	2137A	12-Jun-13	6307 West Fort St.	Abcq	TBAR	12-Jun-13	9450 Buffalo	60	87,858	39.852	Alger
1811	GLC14240	95	12-Jun-13	6307 West Fort St.	Abcq	TBAR	12-Jun-13	9450 Buffalo	55	86,834	39.387	Alger
1812	GLC14241	2140A	12-Jun-13	6307 West Fort St.	Abcq	TBAR	12-Jun-13	9450 Buffalo	55	87,421	39.654	Alger
1813	GLC14242	2137A	12-Jun-13	6307 West Fort St.	Abcq	TBAR	12-Jun-13	9450 Buffalo	55	87,096	39.506	Alger
1814	GLC14243	95	12-Jun-13	6307 West Fort St.	Abcq	TBAR	12-Jun-13	9450 Buffalo	55	87,130	39.522	Alger
1815	GLC14244	2137A	12-Jun-13	6307 West Fort St.	Abcq	TBAR	12-Jun-13	9450 Buffalo	55	86,912	39.423	Alger
1816	GLC14245	2140A	12-Jun-13	6307 West Fort St.	Abcq	TBAR	12-Jun-13	9450 Buffalo	55	86,793	39.369	Alger
1817	GLC14246	2137A	12-Jun-13	6307 West Fort St.	Abcq	TBAR	12-Jun-13	9450 Buffalo	55	87,014	39.469	Alger
1818	GLC14405	35/35A	12-Jun-13	13542 Helen	Alcoa/ME Alcoa	SOW	12-Jun-13	1200 E. McNichols	63	87,428	39.657	Alger
1819	GLC14406	35/35A	12-Jun-13	13542 Helen	ME Alcoa/Alcoa	SOW	12-Jun-13	1200 E. McNichols	65	87,840	39.844	Alger
1820	GLC14661	1018	12-Jun-13	17423 West Jefferson	Abcq	TBAR	12-Jun-13	20495 Pennsylvania	57	87,516	39.697	Four Star
1821	GLC14662	80	12-Jun-13	17423 West Jefferson	Abcq/ME Alcoa	TBAR/SOW	12-Jun-13	20495 Pennsylvania	64	87,580	39.726	Classic Cartage
1822	GLC14663	1018	12-Jun-13	17423 West Jefferson	Ormet/ME Alcoa	SOW	12-Jun-13	20495 Pennsylvania	62	87,994	39.913	Four Star
1823	GLC14664	309	12-Jun-13	17423 West Jefferson	Ormet/Alcoa	SOW	12-Jun-13	20495 Pennsylvania	62	87,040	39.481	Classic Cartage
1824	GLC14665	80	12-Jun-13	17423 West Jefferson	Ormet/Alcoa	SOW	12-Jun-13	20495 Pennsylvania	63	87,464	39.673	Classic Cartage
1825	GLC14666	1018	12-Jun-13	17423 West Jefferson	OrmetAlcan	SOW/TBAR	12-Jun-13	20495 Pennsylvania	59	86,771	39.359	Four Star
1826	GLC14667	1022A	12-Jun-13	17423 West Jefferson	Alcan/Ormet	TBAR/SOW	12-Jun-13	20495 Pennsylvania	57	87,059	39.489	Four Star
1827	GLC14668	309	12-Jun-13	17423 West Jefferson	Ormet/Alcoa	SOW	12-Jun-13	20495 Pennsylvania	62	86,862	39.400	Classic Cartage
1828	GLC14669	80	12-Jun-13	17423 West Jefferson	Alcoa/Ormet	SOW	12-Jun-13	20495 Pennsylvania	62	87,231	39.567	Classic Cartage
1829	GLC14670	1018	12-Jun-13	17423 West Jefferson	Alcoa	SOW	12-Jun-13	20495 Pennsylvania	66	87,473	39.677	Four Star
1830	GLC14870	093/9941AB	12-Jun-13	1200 E. McNichols	Alma	SOW	12-Jun-13	13542 Helen St	60	87,871	39.858	Classic Cartage
1831	GLC14947	1025/C920775	12-Jun-13	1200 E. McNichols	Abcq	TBAR	12-Jun-13	13542 Helen St	55	86,798	39.371	Four Star
1832	GLC14948	1011/80150	12-Jun-13	1200 E. McNichols	Abcq	TBAR	12-Jun-13	13542 Helen St	55	86,690	39.322	Four Star
1833	GLC14949	1025/C920775	12-Jun-13	1200 E. McNichols	Abcq	TBAR	12-Jun-13	13542 Helen St	56	87,892	39.867	Four Star
1834	GLC14950	Cant put in	12-Jun-13	1200 E. McNichols	Abcq	TBAR	12-Jun-13	13542 Helen St	55	86,545	39.256	Classic Cartage
1835	GLC14951	Cant put in	12-Jun-13	1200 E. McNichols	Abcq	TBAR	12-Jun-13	13542 Helen St	55	86,567	39.266	Classic Cartage
1836	GLC14952	1045/C920775	12-Jun-13	1200 E. McNichols	Abcq	TBAR	12-Jun-13	13542 Helen St	55	86,659	39.308	Four Star
1837	GLC14953	924/5428	12-Jun-13	1200 E. McNichols	Abcq	TBAR	12-Jun-13	13542 Helen St	55	86,804	39.374	Classic Cartage
1838	GLC14954	093/9941AB	12-Jun-13	1200 E. McNichols	Abcq	TBAR	12-Jun-13	13542 Helen St	56	87,830	39.839	Classic Cartage
1839	GLC14955	924/5428	12-Jun-13	1200 E. McNichols	Abcq	TBAR	12-Jun-13	13542 Helen St	55	86,677	39.316	Classic Cartage
1840	GLC14956	924/5428	12-Jun-13	1200 E. McNichols	Abcq	TBAR	12-Jun-13	13542 Helen St	56	86,627	39.293	Classic Cartage
1841	GLC14957	093/9941AB	12-Jun-13	1200 E. McNichols	Abcq	TBAR	12-Jun-13	13542 Helen St	57	86,479	39.226	Classic Cartage
1842	GLC14959	1011/80150	12-Jun-13	1200 E. McNichols	Abcq	TBAR	12-Jun-13	13542 Helen St	57	87,956	39.896	Four Star
1843	GLC14960	6	12-Jun-13	1200 E. McNichols	Abcq	TBAR	12-Jun-13	13542 Helen St	55	86,939	39.435	Classic Cartage
1844	GLC14963	924/5428	12-Jun-13	1200 E. McNichols	Abcq	TBAR	12-Jun-13	13542 Helen St	59	86,655	39.306	Classic Cartage
1845	GLC14964	1011/80150	12-Jun-13	1200 E. McNichols	Abcq	TBAR	12-Jun-13	13542 Helen St	55	86,938	39.434	Four Star

	M	N	O
1801	14015-01	$235.00	$235.00
1802	14016-01	$235.00	$235.00
1803	14017-01	$235.00	$235.00
1804	14018-01	$235.00	$235.00
1805	14019-01	$235.00	$235.00
1806	14020-01	$235.00	$235.00
1807	14021-01	$235.00	$235.00
1808	14237-01	$225.00	$225.00
1809	14238-01	$225.00	$225.00
1810	14239-01	$225.00	$225.00
1811	14240-01	$225.00	$225.00
1812	14241-01	$225.00	$225.00
1813	14242-01	$225.00	$225.00
1814	14243-01	$225.00	$225.00
1815	14244-01	$225.00	$225.00
1816	14245-01	$225.00	$225.00
1817	14246-01	$225.00	$225.00
1818	14405-01	$215.00	$215.00
1819	14406-01	$215.00	$215.00
1820	1554528-00	$250.00	$250.00
1821	122	$200.00	$200.00
1822	1554529-00	$250.00	$250.00
1823	125	$200.00	$200.00
1824	122	$200.00	$200.00
1825	1554530-00	$250.00	$250.00
1826	1554531-00	$250.00	$250.00
1827	125	$200.00	$200.00
1828	122	$200.00	$200.00
1829	1554532-00	$250.00	$250.00
1830	122	$200.00	$200.00
1831	1554538-00	$250.00	$250.00
1832	1554338-00	$250.00	$250.00
1833	1554536-00	$250.00	$250.00
1834	122	$200.00	$200.00
1835	122	$200.00	$200.00
1836	1554540-00	$250.00	$250.00
1837	122	$200.00	$200.00
1838	122	$200.00	$200.00
1839	122	$200.00	$200.00
1840	122	$200.00	$200.00
1841	122	$200.00	$200.00
1842	1554539-00	$250.00	$250.00
1843	122	$200.00	$200.00
1844	122	$200.00	$200.00
1845	1554541-00	$250.00	$250.00

	A	B	C	D	E	F	G	H	I	J	K	L
1846	GLC15334	520/520AB	12-Jun-13	26090 23 Mile Rd	Abcq	TBAR	12-Jun-13	50703 E Russell	61	87,953	39.895	Classic Cartage
1847	GLC15335	4/4B	12-Jun-13	26090 23 Mile Rd	Abcq	TBAR	12-Jun-13	50703 E Russell	58	87,871	39.858	
1848	GLC15336	108/808	12-Jun-13	26090 23 Mile Rd	Abcq	TBAR	12-Jun-13	50703 E Russell	56	87,233	39.568	Classic Cartage
1849	GLC15337	520/520AB	12-Jun-13	26090 23 Mile Rd	Abcq	TBAR	12-Jun-13	50703 E Russell	55	87,464	39.673	Classic Cartage
1850	GLC15338	4/4B	12-Jun-13	26090 23 Mile Rd	Abcq	TBAR	12-Jun-13	50703 E Russell	55	87,684	39.773	
1851	GLC15339	108/808	12-Jun-13	26090 23 Mile Rd	Abcq	TBAR	12-Jun-13	50703 E Russell	55	86,834	39.387	Classic Cartage
1852	GLC15340	520/520AB	12-Jun-13	26090 23 Mile Rd	Abcq	TBAR	12-Jun-13	50703 E Russell	57	86,614	39.287	Classic Cartage
1853	GLC15341	4/4B	12-Jun-13	26090 23 Mile Rd	Abcq	TBAR	12-Jun-13	50703 E Russell	58	87,604	39.737	
1854	GLC15342	108/808	12-Jun-13	26090 23 Mile Rd	Abcq	TBAR	12-Jun-13	50703 E Russell	59	87,082	39.500	Classic Cartage
1855	GLC15343	520/520AB	12-Jun-13	26090 23 Mile Rd	Abcq	TBAR	12-Jun-13	50703 E Russell	55	87,152	39.532	Classic Cartage
1856	GLC15344	4/4B	12-Jun-13	26090 23 Mile Rd	Abcq	TBAR	12-Jun-13	50703 E Russell	55	87,192	39.550	
1857	GLC15345	108/808	12-Jun-13	26090 23 Mile Rd	Abcq	TBAR	12-Jun-13	50703 E Russell	55	86,715	39.333	Classic Cartage
1858	GLC15346	520/520AB	12-Jun-13	26090 23 Mile Rd	Abcq	TBAR	12-Jun-13	50703 E Russell	56	87,010	39.467	Classic Cartage
1859	GLC15347	4/4B	12-Jun-13	26090 23 Mile Rd	Abcq	TBAR	12-Jun-13	50703 E Russell	58	86,426	39.202	
1860	GLC15348	108/808	12-Jun-13	26090 23 Mile Rd	Abcq	TBAR	12-Jun-13	50703 E Russell	55	86,674	39.315	Classic Cartage
1861	GLC15815	2149/2149A	12-Jun-13	151 Lafayette	Abcq	TBAR	12-Jun-13	12850 E. Nine Mile	58	86,713	39.332	Alger
1862	GLC15816	711/2138A	12-Jun-13	151 Lafayette	Abcq	TBAR	12-Jun-13	12850 E. Nine Mile	55	86,835	39.388	Alger
1863	GLC15817	9934/2144A	12-Jun-13	151 Lafayette	Abcq	TBAR	12-Jun-13	12850 E. Nine Mile	55	86,763	39.355	Alger
1864	GLC15818	634/2139A	12-Jun-13	151 Lafayette	Abcq	TBAR	12-Jun-13	12850 E. Nine Mile	55	86,644	39.301	Alger
1865	GLC15819	78/2147A	12-Jun-13	151 Lafayette	Abcq	TBAR	12-Jun-13	12850 E. Nine Mile	55	86,993	39.459	Alger
1866	GLC15820	2149/2149A	12-Jun-13	151 Lafayette	Abcq	TBAR	12-Jun-13	12850 E. Nine Mile	55	86,751	39.350	Alger
1867	GLC15821	711/2138A	12-Jun-13	151 Lafayette	Abcq	TBAR	12-Jun-13	12850 E. Nine Mile	57	86,512	39.241	Alger
1868	GLC15822	9934/2144A	12-Jun-13	151 Lafayette	Abcq	TBAR	12-Jun-13	12850 E. Nine Mile	55	86,648	39.303	Alger
1869	GLC15823	634/2139A	12-Jun-13	151 Lafayette	Abcq	TBAR	12-Jun-13	12850 E. Nine Mile	56	86,605	39.283	Alger
1870	GLC15824	78/2147A	12-Jun-13	151 Lafayette	Abcq	TBAR	12-Jun-13	12850 E. Nine Mile	57	86,815	39.379	Alger
1871	GLC15825	2149/2149A	12-Jun-13	151 Lafayette	Abcq	TBAR	12-Jun-13	12850 E. Nine Mile	55	86,602	39.282	Alger
1872	GLC15826	711/2138A	12-Jun-13	151 Lafayette	Abcq	TBAR	12-Jun-13	12850 E. Nine Mile	55	86,869	39.403	Alger
1873	GLC15827	9934/2144A	12-Jun-13	151 Lafayette	Abcq	TBAR	12-Jun-13	12850 E. Nine Mile	55	86,794	39.369	Alger
1874	GLC15828	634/2139A	12-Jun-13	151 Lafayette	Abcq	TBAR	12-Jun-13	12850 E. Nine Mile	55	86,591	39.277	Alger
1875	GLC15829	78/2147A	12-Jun-13	151 Lafayette	Abcq	TBAR	12-Jun-13	12850 E. Nine Mile	55	86,612	39.287	Alger
1876	GLC14022	7982/1241A	13-Jun-13	4815 Cabot	ME Alcoa	SOW	13-Jun-13	6490 Lynch	64	86,853	39.396	Alger
1877	GLC14023	7982/1241A	13-Jun-13	4815 Cabot	ME Alcoa	SOW	13-Jun-13	6490 Lynch	64	86,936	39.434	Alger
1878	GLC14024	535/200	13-Jun-13	4815 Cabot	ME Alcoa	SOW	13-Jun-13	6490 Lynch	66	87,063	39.491	Alger
1879	GLC14025	535/200	13-Jun-13	4815 Cabot	ME Alcoa	SOW	13-Jun-13	6490 Lynch	66	87,258	39.580	Alger
1880	GLC14026	7982/1241A	13-Jun-13	4815 Cabot	ME Alcoa	SOW	13-Jun-13	6490 Lynch	65	87,884	39.864	Alger
1881	GLC14027LTL	535/200	13-Jun-13	4815 Cabot	ME Alcoa	SOW	13-Jun-13	6490 Lynch	3	4,306	1.953	Alger
1882	GLC14247	2140A	13-Jun-13	6307 West Fort St.	Abcq	TBAR	13-Jun-13	9450 Buffalo	56	87,190	39.549	Alger
1883	GLC14248	95	13-Jun-13	6307 West Fort St.	Abcq	TBAR	13-Jun-13	9450 Buffalo	58	87,515	39.696	Alger
1884	GLC14249	2137A	13-Jun-13	6307 West Fort St.	Abcq	TBAR	13-Jun-13	9450 Buffalo	55	86,746	39.347	Alger
1885	GLC14250	2140A	13-Jun-13	6307 West Fort St.	Abcq	TBAR	13-Jun-13	9450 Buffalo	55	86,953	39.441	Alger
1886	GLC14251	95	13-Jun-13	6307 West Fort St.	Abcq	TBAR	13-Jun-13	9450 Buffalo	58	87,810	39.830	Alger
1887	GLC14252	2137A	13-Jun-13	6307 West Fort St.	Abcq	TBAR	13-Jun-13	9450 Buffalo	60	87,772	39.813	Alger
1888	GLC14253	2140A	13-Jun-13	6307 West Fort St.	Abcq	TBAR	13-Jun-13	9450 Buffalo	56	87,036	39.479	Alger
1889	GLC14254	95	13-Jun-13	6307 West Fort St.	Abcq	TBAR	13-Jun-13	9450 Buffalo	57	87,279	39.589	Alger
1890	GLC14255	2137A	13-Jun-13	6307 West Fort St.	Abcq	TBAR	13-Jun-13	9450 Buffalo	57	87,526	39.701	Alger

	M	N	O
1846	122	$200.00	$200.00
1847			
1848	122	$200.00	$200.00
1849	122	$200.00	$200.00
1850			
1851	122	$200.00	$200.00
1852	122	$200.00	$200.00
1853			
1854	122	$200.00	$200.00
1855	122	$200.00	$200.00
1856			
1857	122	$200.00	$200.00
1858	122	$200.00	$200.00
1859			
1860	122	$200.00	$200.00
1861	15815-01	$235.00	$235.00
1862	15816-01	$235.00	$235.00
1863	15817-01	$235.00	$235.00
1864	15818-01	$235.00	$235.00
1865	15819-01	$235.00	$235.00
1866	15820-01	$235.00	$235.00
1867	15821-01	$235.00	$235.00
1868	15822-01	$235.00	$235.00
1869	15823-01	$235.00	$235.00
1870	15824-01	$235.00	$235.00
1871	15825-01	$235.00	$235.00
1872	15826-01	$235.00	$235.00
1873	15827-01	$235.00	$235.00
1874	15828-01	$235.00	$235.00
1875	15829-01	$235.00	$235.00
1876	14022-01	$235.00	$235.00
1877	14023-01	$235.00	$235.00
1878	14024-01	$235.00	$235.00
1879	14025-01	$235.00	$235.00
1880	14026-01	$235.00	$235.00
1881	14027-01	$235.00	$235.00
1882	14247-01	$225.00	$225.00
1883	14248-01	$225.00	$225.00
1884	14249-01	$225.00	$225.00
1885	14250-01	$225.00	$225.00
1886	14251-01	$225.00	$225.00
1887	14252-01	$225.00	$225.00
1888	14253-01	$225.00	$225.00
1889	14254-01	$225.00	$225.00
1890	14255-01	$225.00	$225.00

	A	B	C	D	E	F	G	H	I	J	K	L
1891	GLC14256	2140A	13-Jun-13	6307 West Fort St.	Abcq	TBAR	13-Jun-13	9450 Buffalo	55	87,708	39.784	Alger
1892	GLC14407	35A	13-Jun-13	13542 Helen	Alcoa/Abi	SOW/TBAR	13-Jun-13	1200 E. McNichols	61	86,655	39.306	Alger
1893	GLC14408	35A	13-Jun-13	13542 Helen	Abi	TBAR	13-Jun-13	1200 E. McNichols	61	87,395	39.642	Alger
1894	GLC14409LTL	35A	13-Jun-13	13542 Helen	Abi/Abcq	TBAR	13-Jun-13	1200 E. McNichols	44	63,255	28.692	Alger
1895	GLC14671	1018	13-Jun-13	17423 West Jefferson	Alcoa	SOW	13-Jun-13	20495 Pennsylvania	65	87,390	39.639	Four Star
1896	GLC14672	80	13-Jun-13	17423 West Jefferson	Alcoa	SOW	13-Jun-13	20495 Pennsylvania	65	87,360	39.626	Classic Cartage
1897	GLC14673	1018	13-Jun-13	17423 West Jefferson	Alcoa	SOW	13-Jun-13	20495 Pennsylvania	65	87,120	39.517	Four Star
1898	GLC14674	15097	13-Jun-13	17423 West Jefferson	Alcoa/Alcan	SOW	13-Jun-13	20495 Pennsylvania	64	87,358	39.625	Classic Cartage
1899	GLC14675	80	13-Jun-13	17423 West Jefferson	Alcan	SOW	13-Jun-13	20495 Pennsylvania	66	87,302	39.600	Classic Cartage
1900	GLC14676	204	13-Jun-13	17423 West Jefferson	Alcan	TBAR/SOW	13-Jun-13	20495 Pennsylvania	58	86,788	39.366	Classic Cartage
1901	GLC14677	1018	13-Jun-13	17423 West Jefferson	Alcan	TBAR	13-Jun-13	20495 Pennsylvania	57	87,023	39.473	Four Star
1902	GLC14678	1022A	13-Jun-13	17423 West Jefferson	Alcan	TBAR	13-Jun-13	20495 Pennsylvania	57	87,018	39.471	Four Star
1903	GLC14679	5097	13-Jun-13	17423 West Jefferson	Alcan	TBAR/SOW	13-Jun-13	20495 Pennsylvania	58	87,020	39.472	Classic Cartage
1904	GLC14680	1018	13-Jun-13	17423 West Jefferson	Alcan	SOW	13-Jun-13	20495 Pennsylvania	64	87,743	39.800	Four Star
1905	GLC14932	093/9941AB	13-Jun-13	1200 E. McNichols	Ormet	SOW	13-Jun-13	13550 Helen	62	87,137	39.525	Classic Cartage
1906	GLC14961	924/5428	13-Jun-13	1200 E. McNichols	Abcq	TBAR	13-Jun-13	13550 Helen	55	86,550	39.258	Classic Cartage
1907	GLC14962	924/5428	13-Jun-13	1200 E. McNichols	Abcq	TBAR	13-Jun-13	13550 Helen	56	87,937	39.888	Classic Cartage
1908	GLC14965	924/5428	13-Jun-13	1200 E. McNichols	Abcq	TBAR	13-Jun-13	13550 Helen	55	87,547	39.711	Classic Cartage
1909	GLC14966	1025/C920775	13-Jun-13	1200 E. McNichols	Abcq	TBAR	13-Jun-13	13550 Helen	56	87,671	39.767	Four Star
1910	GLC14967	Jan-00	13-Jun-13	1200 E. McNichols	Abcq	TBAR	13-Jun-13	13550 Helen	55	86,506	39.239	Classic Cartage
1911	GLC14968	1011/80445	13-Jun-13	1200 E. McNichols	Abcq	TBAR	13-Jun-13	13550 Helen	55	86,485	39.229	Four Star
1912	GLC14969	Jan-00	13-Jun-13	1200 E. McNichols	Abcq	TBAR	13-Jun-13	13550 Helen	56	87,772	39.813	Classic Cartage
1913	GLC14970	6	13-Jun-13	1200 E. McNichols	Abcq	TBAR	13-Jun-13	13550 Helen	55	86,508	39.239	Classic Cartage
1914	GLC14971	1011/80145	13-Jun-13	1200 E. McNichols	Abcq	TBAR	13-Jun-13	13550 Helen	59	87,941	39.889	Four Star
1915	GLC14972	093/9941AB	13-Jun-13	1200 E. McNichols	Abcq	TBAR	13-Jun-13	13550 Helen	57	86,653	39.305	Classic Cartage
1916	GLC14973	1025/C920775	13-Jun-13	1200 E. McNichols	Abcq	TBAR	13-Jun-13	13550 Helen	56	86,286	39.139	Four Star
1917	GLC14974	093/9941AB	13-Jun-13	1200 E. McNichols	Abcq	TBAR	13-Jun-13	13550 Helen	55	86,806	39.375	Classic Cartage
1918	GLC14975	6	13-Jun-13	1200 E. McNichols	Abcq	TBAR	13-Jun-13	13550 Helen	56	87,657	39.761	Classic Cartage
1919	GLC15349	520/520AB	13-Jun-13	26090 23 Mile Rd	Abcq	TBAR	13-Jun-13	50703 E Russell	59	87,870	39.857	Classic Cartage
1920	GLC15350	4/4B	13-Jun-13	26090 23 Mile Rd	Abcq	TBAR	13-Jun-13	50703 E Russell	61	87,536	39.706	
1921	GLC15351	520/520AB	13-Jun-13	26090 23 Mile Rd	Abcq	TBAR	13-Jun-13	50703 E Russell	58	86,525	39.247	Classic Cartage
1922	GLC15352	4/4B	13-Jun-13	26090 23 Mile Rd	Abcq	TBAR	13-Jun-13	50703 E Russell	55	87,347	39.620	
1923	GLC15353	108/808	13-Jun-13	26090 23 Mile Rd	Abcq	TBAR	13-Jun-13	50703 E Russell	55	87,083	39.500	Classic Cartage
1924	GLC15354	520/520AB	13-Jun-13	26090 23 Mile Rd	Abcq	TBAR	13-Jun-13	50703 E Russell	58	87,281	39.590	Classic Cartage
1925	GLC15355	4/4B	13-Jun-13	26090 23 Mile Rd	Abcq	TBAR	13-Jun-13	50703 E Russell	56	87,549	39.712	
1926	GLC15356	108/808	13-Jun-13	26090 23 Mile Rd	Abcq	TBAR	13-Jun-13	50703 E Russell	60	86,586	39.275	Classic Cartage
1927	GLC15357	520/520AB	13-Jun-13	26090 23 Mile Rd	Abcq	TBAR	13-Jun-13	50703 E Russell	55	86,897	39.416	Classic Cartage
1928	GLC15358	4/4B	13-Jun-13	26090 23 Mile Rd	Abcq	TBAR	13-Jun-13	50703 E Russell	56	87,572	39.722	
1929	GLC15359	108/808	13-Jun-13	26090 23 Mile Rd	Abcq	TBAR	13-Jun-13	50703 E Russell	62	87,737	39.797	Classic Cartage
1930	GLC15360	520/520AB	13-Jun-13	26090 23 Mile Rd	Abcq	TBAR	13-Jun-13	50703 E Russell	57	87,812	39.831	Classic Cartage
1931	GLC15361	4/4B	13-Jun-13	26090 23 Mile Rd	Abcq	TBAR	13-Jun-13	50703 E Russell	55	86,837	39.389	
1932	GLC15362	108/808	13-Jun-13	26090 23 Mile Rd	Abcq	TBAR	13-Jun-13	50703 E Russell	59	87,012	39.468	Classic Cartage
1933	GLC15363	108/808	13-Jun-13	26090 23 Mile Rd	Abcq	TBAR	13-Jun-13	50703 E Russell	56	87,917	39.879	Classic Cartage
1934	GLC15830	9934/2144A	13-Jun-13	151 Lafayette	Abcq	TBAR	13-Jun-13	12850 E. Nine Mile	55	86,592	39.278	Alger
1935	GLC15831	711/2138A	13-Jun-13	151 Lafayette	Abcq	TBAR	13-Jun-13	12850 E. Nine Mile	55	86,873	39.405	Alger

	M	N	O
1891	14256-01	$225.00	$225.00
1892	14407-01	$215.00	$215.00
1893	14408-01	$215.00	$215.00
1894	14409-01	$215.00	$215.00
1895	1554715-00	$250.00	$250.00
1896	122	$200.00	$200.00
1897	1554716-00	$250.00	$250.00
1898	122	$200.00	$200.00
1899	122	$200.00	$200.00
1900	125	$200.00	$200.00
1901	1554717-00	$250.00	$250.00
1902	1554718-00	$250.00	$250.00
1903	122	$200.00	$200.00
1904	1554719-00	$250.00	$250.00
1905	122	$200.00	$200.00
1906	122	$200.00	$200.00
1907	122	$200.00	$200.00
1908	122	$200.00	$200.00
1909	1554724-00	$250.00	$250.00
1910	122	$200.00	$200.00
1911	1554723-00	$250.00	$250.00
1912	122	$200.00	$200.00
1913	122	$200.00	$200.00
1914	1554726-00	$250.00	$250.00
1915	122	$200.00	$200.00
1916	1554722-00	$250.00	$250.00
1917	122	$200.00	$200.00
1918	122	$200.00	$200.00
1919	122	$200.00	$200.00
1920			
1921	122	$200.00	$200.00
1922			
1923	122	$200.00	$200.00
1924	122	$200.00	$200.00
1925			
1926	122	$200.00	$200.00
1927	122	$200.00	$200.00
1928			
1929	122	$200.00	$200.00
1930	122	$200.00	$200.00
1931			
1932	122	$200.00	$200.00
1933	122	$200.00	$200.00
1934	15830-01	$235.00	$235.00
1935	15831-01	$235.00	$235.00

	A	B	C	D	E	F	G	H	I	J	K	L
1936	GLC15832	78/2147A	13-Jun-13	151 Lafayette	Abcq	TBAR	13-Jun-13	12850 E. Nine Mile	55	86,856	39.397	Alger
1937	GLC15833	634/2139A	13-Jun-13	151 Lafayette	Abcq	TBAR	13-Jun-13	12850 E. Nine Mile	55	87,042	39.482	Alger
1938	GLC15834	2133/2133A	13-Jun-13	151 Lafayette	Abcq	TBAR	13-Jun-13	12850 E. Nine Mile	55	86,571	39.268	Alger
1939	GLC15835	9934/2144A	13-Jun-13	151 Lafayette	Abcq	TBAR	13-Jun-13	12850 E. Nine Mile	55	86,730	39.340	Alger
1940	GLC15836	711/2138A	13-Jun-13	151 Lafayette	Abcq	TBAR	13-Jun-13	12850 E. Nine Mile	55	86,481	39.227	Alger
1941	GLC15837 -	78/2147A	13-Jun-13	151 Lafayette	Abcq	TBAR	13-Jun-13	12850 E. Nine Mile	55	86,882	39.409	Alger
1942	GLC15838	634/2139A	13-Jun-13	151 Lafayette	Abcq	TBAR	13-Jun-13	12850 E. Nine Mile	55	86,638	39.298	Alger
1943	GLC15839	2133/2133A	13-Jun-13	151 Lafayette	Abcq	TBAR	13-Jun-13	12850 E. Nine Mile	58	86,514	39.242	Alger
1944	GLC15840	9934/2144A	13-Jun-13	151 Lafayette	Abcq	TBAR	13-Jun-13	12850 E. Nine Mile	55	86,586	39.275	Alger
1945	GLC15841	711/2138A	13-Jun-13	151 Lafayette	Abcq	TBAR	13-Jun-13	12850 E. Nine Mile	55	87,062	39.491	Alger
1946	GLC15842	78/2147A	13-Jun-13	151 Lafayette	Abcq	TBAR	13-Jun-13	12850 E. Nine Mile	55	86,628	39.294	Alger
1947	GLC15843	634/2139A	13-Jun-13	151 Lafayette	Abcq	TBAR	13-Jun-13	12850 E. Nine Mile	55	86,781	F	Alger
1948	GLC15844	2133/2133A	13-Jun-13	151 Lafayette	Abcq	TBAR	13-Jun-13	12850 E. Nine Mile	55	86,743	39.346	Alger
1949	GLC14257LTL	2141A	14-Jun-13	6307 West Fort St.	Abcq	TBAR	14-Jun-13	9450 Buffalo	12	19,350	8.777	Alger
1950	GLC14258	95	14-Jun-13	6307 West Fort St.	Abcq	TBAR	14-Jun-13	1200 E. McNichols	61	86,972	39.450	Alger
1951	GLC14259	2140A	14-Jun-13	6307 West Fort St.	Abcq	TBAR	14-Jun-13	1200 E. McNichols	57	87,053	39.487	Alger
1952	GLC14260	95	14-Jun-13	6307 West Fort St.	Abcq	TBAR	14-Jun-13	1200 E. McNichols	61	87,137	39.525	Alger
1953	GLC14261	2140A	14-Jun-13	6307 West Fort St.	Abcq	TBAR	14-Jun-13	1200 E. McNichols	56	87,432	39.659	Alger
1954	GLC14262	2141A	14-Jun-13	6307 West Fort St.	Abcq	TBAR	14-Jun-13	1200 E. McNichols	55	87,415	39.651	Alger
1955	GLC14263	95	14-Jun-13	6307 West Fort St.	Abcq	TBAR	14-Jun-13	1200 E. McNichols	57	87,365	39.628	Alger
1956	GLC14264	2140A	14-Jun-13	6307 West Fort St.	Abcq	TBAR	14-Jun-13	1200 E. McNichols	60	86,451	39.214	Alger
1957	GLC14265	2141A	14-Jun-13	6307 West Fort St.	Abcq	TBAR	14-Jun-13	1200 E. McNichols	55	87,644	39.755	Alger
1958	GLC14266	95	14-Jun-13	6307 West Fort St.	Abcq	TBAR	14-Jun-13	1200 E. McNichols	59	87,637	39.752	Alger
1959	GLC14267	2149A	14-Jun-13	6307 West Fort St.	Abcq	TBAR	14-Jun-13	1200 E. McNichols	56	87,939	39.889	Alger
1960	GLC14681	1018	14-Jun-13	17423 West Jefferson	Alcan	TBAR/SOW	14-Jun-13	20495 Pennsylvania	59	87,102	39.509	Four Star
1961	GLC14682	9941A	14-Jun-13	17423 West Jefferson	Ormet/Alcan	TBAR/SOW	14-Jun-13	20495 Pennsylvania	58	87,375	39.633	Classic Cartage
1962	GLC14683	1018	14-Jun-13	17423 West Jefferson	Ormet/Abcq/Alcan	TBAR/SOW	14-Jun-13	20495 Pennsylvania	59	87,666	39.765	Four Star
1963	GLC14684	9941A	14-Jun-13	17423 West Jefferson	Alcan	TBAR	14-Jun-13	20495 Pennsylvania	59	87,841	39.844	Classic Cartage
1964	GLC14685	5097	14-Jun-13	17423 West Jefferson	Alcan	TBAR/SOW	14-Jun-13	20495 Pennsylvania	59	87,472	39.677	Classic Cartage
1965	GLC14686	1018	14-Jun-13	17423 West Jefferson	Alcan/Ormet	SOW	14-Jun-13	20495 Pennsylvania	61	86,942	39.436	Four Star
1966	GLC14687	9941A	14-Jun-13	17423 West Jefferson	Ormet	SOW	14-Jun-13	20495 Pennsylvania	59	87,381	39.635	Classic Cartage
1967	GLC14688	1029A	14-Jun-13	17423 West Jefferson	Ormet/Alcan	TBAR/SOW	14-Jun-13	20495 Pennsylvania	57	87,217	39.561	Four Star
1968	GLC14689	15097	14-Jun-13	17423 West Jefferson	Alcan/Intalco	TBAR/ING	14-Jun-13	20495 Pennsylvania	50	87,099	39.507	Classic Cartage
1969	GLC14690	1018	14-Jun-13	17423 West Jefferson	Alcan/Intalco	TBAR/ING	14-Jun-13	20495 Pennsylvania	57	86,561	39.263	Four Star
1970	GLC14958	77/605	14-Jun-13	1200 E. McNichols	Abcq	TBAR	14-Jun-13	13550 Helen	61	86,664	39.310	Classic Cartage
1971	GLC14976	924/5428	14-Jun-13	1200 E. McNichols	Abcq	TBAR	14-Jun-13	13550 Helen	55	86,482	39.228	Classic Cartage
1972	GLC14977	77/605	14-Jun-13	1200 E. McNichols	Abcq	TBAR	14-Jun-13	13550 Helen	55	86,576	39.270	Classic Cartage
1973	GLC14978	924/5428	14-Jun-13	1200 E. McNichols	Abcq	TBAR	14-Jun-13	13550 Helen	55	86,773	39.360	Classic Cartage
1974	GLC14979	1011/80150	14-Jun-13	1200 E. McNichols	Abcq	TBAR	14-Jun-13	13550 Helen	55	86,542	39.255	Four Star
1975	GLC14980	1025/C920775	14-Jun-13	1200 E. McNichols	Abcq	TBAR	14-Jun-13	13550 Helen	60	87,939	39.889	Four Star
1976	GLC14981	77/605	14-Jun-13	1200 E. McNichols	Abcq	TBAR	14-Jun-13	13550 Helen	55	86,880	39.408	Classic Cartage
1977	GLC14983	1025/C920775	14-Jun-13	1200 E. McNichols	Abcq	TBAR	14-Jun-13	13550 Helen	56	87,808	39.829	Four Star
1978	GLC14984	1011/80150	14-Jun-13	1200 E. McNichols	Abcq	TBAR	14-Jun-13	13550 Helen	59	86,594	39.278	Four Star
1979	GLC14985	1011/80150	14-Jun-13	1200 E. McNichols	Abcq/Abi	TBAR	14-Jun-13	13550 Helen	55	86,986	39.456	Four Star
1980	GLC14986	Jan-00	14-Jun-13	1200 E. McNichols	Abi	TBAR	14-Jun-13	13550 Helen	54	87,576	39.724	Classic Cartage

	M	N	O
1936	15832-01	$235.00	$235.00
1937	15833-01	$235.00	$235.00
1938	15837-01	$235.00	$235.00
1939	15835-01	$235.00	$235.00
1940	15836-01	$235.00	$235.00
1941	15837-01	$235.00	$235.00
1942	15838-01	$235.00	$235.00
1943	15839-01	$235.00	$235.00
1944	15840-01	$235.00	$235.00
1945	15841-01	$235.00	$235.00
1946	15842-01	$235.00	$235.00
1947	15843-01	$235.00	$235.00
1948	15844-01	$235.00	$235.00
1949	14257-01	$225.00	$225.00
1950	14258-01	$235.00	$235.00
1951	14259-01	$235.00	$235.00
1952	14260-01	$235.00	$235.00
1953	14261-01	$235.00	$235.00
1954	14262-01	$235.00	$235.00
1955	14263-01	$235.00	$235.00
1956	14264-01	$235.00	$235.00
1957	14265-01	$235.00	$235.00
1958	14266-01	$235.00	$235.00
1959	14267-01	$235.00	$235.00
1960	1554893-00	$250.00	$250.00
1961	122	$200.00	$200.00
1962	1554894-00	$250.00	$250.00
1963	122	$200.00	$200.00
1964	122	$200.00	$200.00
1965	1554895-00	$250.00	$250.00
1966	122	$200.00	$200.00
1967	1554897-00	$250.00	$250.00
1968	122	$200.00	$200.00
1969	1554896-00	$250.00	$250.00
1970	125	$200.00	$200.00
1971	122	$200.00	$200.00
1972	125	$200.00	$200.00
1973	122	$200.00	$200.00
1974	1554901-01	$250.00	$250.00
1975	1554904-00	$250.00	$250.00
1976	125	$200.00	$200.00
1977	1554902-00	$250.00	$250.00
1978	1554905-00	$250.00	$250.00
1979	1554903-00	$250.00	$250.00
1980	122	$200.00	$200.00

	A	B	C	D	E	F	G	H	I	J	K	L
1981	GLC14987	6	14-Jun-13	1200 E. McNichols	Abi	TBAR	14-Jun-13	13550 Helen	54	87,730	39.794	Classic Cartage
1982	GLC14988	924/5428	14-Jun-13	1200 E. McNichols	Abi	TBAR	14-Jun-13	13550 Helen	54	87,604	39.737	Classic Cartage
1983	GLC14989	1025/C920775	14-Jun-13	1200 E. McNichols	Abi	TBAR	14-Jun-13	13550 Helen	54	87,658	39.761	Four Star
1984	GLC14990	234/405	14-Jun-13	1200 E. McNichols	Abi	TBAR	14-Jun-13	4815 Cabot	54	87,544	39.709	Classic Cartage
1985	GLC15364	4/4B	14-Jun-13	26090 23 Mile Rd	Abcq	TBAR	14-Jun-13	50703 E Russell	56	87,730	39.794	
1986	GLC15365	520/520AB	14-Jun-13	26090 23 Mile Rd	Abcq	TBAR	14-Jun-13	50703 E Russell	55	86,869	39.403	Classic Cartage
1987	GLC15366	108/808	14-Jun-13	26090 23 Mile Rd	Abcq	TBAR	14-Jun-13	50703 E Russell	55	86,741	39.345	Classic Cartage
1988	GLC15367	4/4B	14-Jun-13	26090 23 Mile Rd	Abcq	TBAR	14-Jun-13	50703 E Russell	58	86,978	39.453	
1989	GLC15368	4/4B	14-Jun-13	26090 23 Mile Rd	Abcq	TBAR	14-Jun-13	50703 E Russell	55	86,435	39.206	
1990	GLC15369	520/520AB	14-Jun-13	26090 23 Mile Rd	Abcq	TBAR	14-Jun-13	50703 E Russell	57	86,986	39.456	Classic Cartage
1991	GLC15370	108/808	14-Jun-13	26090 23 Mile Rd	Abcq	TBAR	14-Jun-13	50703 E Russell	57	86,693	39.323	Classic Cartage
1992	GLC15371	4/4B	14-Jun-13	26090 23 Mile Rd	Abcq	TBAR	14-Jun-13	50703 E Russell	55	86,822	39.382	
1993	GLC15372	520/520AB	14-Jun-13	26090 23 Mile Rd	Abcq	TBAR	14-Jun-13	50703 E Russell	55	87,012	39.468	Classic Cartage
1994	GLC15373	520/520AB	14-Jun-13	26090 23 Mile Rd	Abcq	TBAR	14-Jun-13	50703 E Russell	55	86,858	39.398	Classic Cartage
1995	GLC15374	108/808	14-Jun-13	26090 23 Mile Rd	Abcq	TBAR	14-Jun-13	50703 E Russell	55	86,769	39.358	Classic Cartage
1996	GLC15375	4/4B	14-Jun-13	26090 23 Mile Rd	Abcq	TBAR	14-Jun-13	50703 E Russell	55	86,585	39.274	
1997	GLC15376	520/520AB	14-Jun-13	26090 23 Mile Rd	Abcq	TBAR	14-Jun-13	50703 E Russell	57	87,217	39.561	Classic Cartage
1998	GLC15377	108/808	14-Jun-13	26090 23 Mile Rd	Abcq	TBAR	14-Jun-13	50703 E Russell	60	87,465	39.674	Classic Cartage
1999	GLC15378	108/808	14-Jun-13	26090 23 Mile Rd	Abcq	TBAR	14-Jun-13	50703 E Russell	58	87,138	39.525	Classic Cartage
2000	GLC15845	711/2138A	14-Jun-13	151 Lafayette	Abcq	TBAR	14-Jun-13	12850 E. Nine Mile	55	86,898	39.416	Alger
2001	GLC15846	2149/2149A	14-Jun-13	151 Lafayette	Abcq	TBAR	14-Jun-13	12850 E. Nine Mile	55	86,971	39.449	Alger
2002	GLC15847	9934/2144A	14-Jun-13	151 Lafayette	Abcq	TBAR	14-Jun-13	12850 E. Nine Mile	55	86,523	39.246	Alger
2003	GLC15848	78/2147A	14-Jun-13	151 Lafayette	Abcq	TBAR	14-Jun-13	12850 E. Nine Mile	55	86,742	39.346	Alger
2004	GLC15849	35/35A	14-Jun-13	151 Lafayette	Abcq	TBAR	14-Jun-13	12850 E. Nine Mile	55	86,514	39.242	Alger
2005	GLC15850	711/2138A	14-Jun-13	151 Lafayette	Abcq	TBAR	14-Jun-13	12850 E. Nine Mile	59	87,766	39.810	Alger
2006	GLC15851	2149/2149A	14-Jun-13	151 Lafayette	Abcq	TBAR	14-Jun-13	12850 E. Nine Mile	58	87,986	39.910	Alger
2007	GLC15852	9934/2144A	14-Jun-13	151 Lafayette	Abcq	TBAR	14-Jun-13	12850 E. Nine Mile	58	87,550	39.712	Alger
2008	GLC15853	78/2147A	14-Jun-13	151 Lafayette	Abcq	TBAR	14-Jun-13	12850 E. Nine Mile	55	86,883	39.410	Alger
2009	GLC15854	35/35A	14-Jun-13	151 Lafayette	Abcq	TBAR	14-Jun-13	12850 E. Nine Mile	55	86,877	39.407	Alger
2010	GLC15855	711/2138A	14-Jun-13	151 Lafayette	Abcq	TBAR	14-Jun-13	12850 E. Nine Mile	55	86,632	39.296	Alger
2011	GLC15856	9934/2144A	14-Jun-13	151 Lafayette	Abcq	TBAR	14-Jun-13	12850 E. Nine Mile	55	86,529	39.249	Alger
2012	GLC15857	78/2147A	14-Jun-13	151 Lafayette	Abcq	TBAR	14-Jun-13	12850 E. Nine Mile	55	86,779	39.362	Alger
2013	GLC15858	2149/2149A	14-Jun-13	151 Lafayette	Abcq	TBAR	14-Jun-13	12850 E. Nine Mile	57	87,147	39.529	Alger
2014	GLC15859	35/35A	14-Jun-13	151 Lafayette	Abcq	TBAR	14-Jun-13	12850 E. Nine Mile	58	87,998	39.915	Alger
2015	GLC13922	520/520AB	17-Jun-13	6490 Lynch	Alouette	ING	17-Jun-13	8650 Mt. Elliott	38	86,730	39.340	Classic Cartage
2016	GLC13923	4B	17-Jun-13	6490 Lynch	Seb/Alouette	SOW/ING	17-Jun-13	8650 Mt. Elliott	56	87,890	39.866	Classic Cartage
2017	GLC13924	4B	17-Jun-13	6490 Lynch	Seb	SOW	17-Jun-13	8650 Mt. Elliott	61	87,662	39.763	Classic Cartage
2018	GLC13925	520/520AB	17-Jun-13	6490 Lynch	Seb/Sha	SOW	17-Jun-13	8650 Mt. Elliott	60	87,488	39.684	Classic Cartage
2019	GLC13926	33	17-Jun-13	6490 Lynch	Alcan/Sha	TBAR/SOW	17-Jun-13	8650 Mt. Elliott	58	87,999	39.916	Classic Cartage
2020	GLC13927	520/520AB	17-Jun-13	6490 Lynch	Alcan/Alma	TBAR	17-Jun-13	8650 Mt. Elliott	52	86,710	39.331	Classic Cartage
2021	GLC13928	30	17-Jun-13	6490 Lynch	Alma	TBAR	17-Jun-13	8650 Mt. Elliott	52	86,689	39.322	Classic Cartage
2022	GLC13929	4/4B	17-Jun-13	6490 Lynch	Alma/Alouette	TBAR/SOW	17-Jun-13	8650 Mt. Elliott	53	86,469	39.222	Classic Cartage
2023	GLC13930	30	17-Jun-13	6490 Lynch	Alouette	SOW	17-Jun-13	8650 Mt. Elliott	55	86,620	39.290	Classic Cartage
2024	GLC14268	95	17-Jun-13	6307 West Fort St.	Abcq	TBAR	17-Jun-13	1200 E. McNichols	55	87,739	39.798	Alger
2025	GLC14269	2140A	17-Jun-13	6307 West Fort St.	Abcq	TBAR	17-Jun-13	1200 E. McNichols	55	87,336	39.615	Alger

	M	N	O
1981	122	$200.00	$200.00
1982	122	$200.00	$200.00
1983	1554900-00	$250.00	$250.00
1984	125	$200.00	$200.00
1985			
1986	122	$200.00	$200.00
1987	122	$200.00	$200.00
1988			
1989			
1990	122	$200.00	$200.00
1991	122	$200.00	$200.00
1992			
1993	122	$200.00	$200.00
1994	122	$200.00	$200.00
1995	122	$200.00	$200.00
1996			
1997	122	$200.00	$200.00
1998	122	$200.00	$200.00
1999	122	$200.00	$200.00
2000	15845-01	$235.00	$235.00
2001	15846-01	$235.00	$235.00
2002	15847-01	$235.00	$235.00
2003	15848-01	$235.00	$235.00
2004	15849-01	$235.00	$235.00
2005	15850-01	$235.00	$235.00
2006	15851-01	$235.00	$235.00
2007	15852-01	$235.00	$235.00
2008	15853-01	$235.00	$235.00
2009	15854-01	$235.00	$235.00
2010	15855-01	$235.00	$235.00
2011	15856-01	$235.00	$235.00
2012	15857-01	$235.00	$235.00
2013	15858-01	$235.00	$235.00
2014	15859-01	$235.00	$235.00
2015	124	$200.00	$200.00
2016	124	$200.00	$200.00
2017	124	$200.00	$200.00
2018	124	$200.00	$200.00
2019	124	$200.00	$200.00
2020	124	$200.00	$200.00
2021	124	$200.00	$200.00
2022	124	$200.00	$200.00
2023	124	$200.00	$200.00
2024	14268-01	$235.00	$235.00
2025	14269-01	$235.00	$235.00

	A	B	C	D	E	F	G	H	I	J	K	L
2026	GLC14270	2139A	17-Jun-13	6307 West Fort St.	Abcq	TBAR	17-Jun-13	1200 E. McNichols	55	87,453	39.668	Alger
2027	GLC14271	95	17-Jun-13	6307 West Fort St.	Abcq	TBAR	17-Jun-13	1200 E. McNichols	55	87,206	39.556	Alger
2028	GLC14272	2140A	17-Jun-13	6307 West Fort St.	Abcq	TBAR	17-Jun-13	1200 E. McNichols	55	87,309	39.603	Alger
2029	GLC14273	2139A	17-Jun-13	6307 West Fort St.	Abcq	TBAR	17-Jun-13	1200 E. McNichols	55	87,023	39.473	Alger
2030	GLC14274	95	17-Jun-13	6307 West Fort St.	Abcq	TBAR	17-Jun-13	1200 E. McNichols	55	87,455	39.669	Alger
2031	GLC14275	2140A	17-Jun-13	6307 West Fort St.	Abcq/Abi	TBAR	17-Jun-13	1200 E. McNichols	58	87,008	39.466	Alger
2032	GLC14276	2139A	17-Jun-13	6307 West Fort St.	Abi	TBAR	17-Jun-13	1200 E. McNichols	54	87,297	39.597	Alger
2033	GLC14277	2140A	17-Jun-13	6307 West Fort St.	Abi	TBAR	17-Jun-13	1200 E. McNichols	54	87,611	39.740	Alger
2034	GLC14691	9941A	17-Jun-13	17423 West Jefferson	Alcan	TBAR	17-Jun-13	20495 Pennsylvania	59	87,911	39.876	Classic Cartage
2035	GLC14692	1018	17-Jun-13	17423 West Jefferson	Ormet/Alcan	SOW/TBAR	17-Jun-13	20495 Pennsylvania	58	87,098	39.507	FOUR STAR
2036	GLC14693	9941A	17-Jun-13	17423 West Jefferson	Ormet	SOW	17-Jun-13	20495 Pennsylvania	60	86,916	39.424	Classic Cartage
2037	GLC14694	1018	17-Jun-13	17423 West Jefferson	Ormet	SOW	17-Jun-13	20495 Pennsylvania	60	86,837	39.389	FOUR STAR
2038	GLC14695	9941AB	17-Jun-13	17423 West Jefferson	Ormet	SOW	17-Jun-13	20495 Pennsylvania	63	87,870	39.857	Classic Cartage
2039	GLC14696	1018	17-Jun-13	17423 West Jefferson	Ormet/Abcq	SOW/TBAR	17-Jun-13	20495 Pennsylvania	57	86,616	39.288	FOUR STAR
2040	GLC14697	9941AB	17-Jun-13	17423 West Jefferson	Abcq/Alcan	TBAR	17-Jun-13	20495 Pennsylvania	56	87,393	39.641	Classic Cartage
2041	GLC14698	1029A	17-Jun-13	17423 West Jefferson	Ormet/Alcan	SOW/TBAR	17-Jun-13	20495 Pennsylvania	59	87,045	39.483	FOUR STAR
2042	GLC14699	1018	17-Jun-13	17423 West Jefferson	Alcan	TBAR	17-Jun-13	20495 Pennsylvania	57	87,457	39.670	FOUR STAR
2043	GLC14700	520AB	17-Jun-13	17423 West Jefferson	Alcan	SOW/TBAR	17-Jun-13	20495 Pennsylvania	58	87,119	39.517	Classic Cartage
2044	GLC14991	1025/C920775	17-Jun-13	1200 E. McNichols	Abi	TBAR	17-Jun-13	4815 Cabot	54	87,706	39.783	FOUR STAR
2045	GLC14992	97/309	17-Jun-13	1200 E. McNichols	Abi	TBAR	17-Jun-13	4815 Cabot	54	87,652	39.758	Classic Cartage
2046	GLC14993	1569/204	17-Jun-13	1200 E. McNichols	Abi	TBAR	17-Jun-13	4815 Cabot	54	87,874	39.859	Classic Cartage
2047	GLC14994	095/17A	17-Jun-13	1200 E. McNichols	Abi	TBAR	17-Jun-13	4815 Cabot	54	87,620	39.744	Classic Cartage
2048	GLC14995	1022/81245	17-Jun-13	1200 E. McNichols	Abi	TBAR	17-Jun-13	4815 Cabot	54	87,612	39.740	FOUR STAR
2049	GLC14996	96/403	17-Jun-13	1200 E. McNichols	Abi	TBAR	17-Jun-13	4815 Cabot	54	87,714	39.786	Classic Cartage
2050	GLC14997	1011/80150	17-Jun-13	1200 E. McNichols	Abi	TBAR	17-Jun-13	4815 Cabot	54	87,658	39.761	FOUR STAR
2051	GLC14998	1025/C920775	17-Jun-13	1200 E. McNichols	Abi	TBAR	17-Jun-13	4815 Cabot	54	87,727	39.792	FOUR STAR
2052	GLC14999	1025/C920775	17-Jun-13	1200 E. McNichols	Abi/Alcan	TBAR	17-Jun-13	4815 Cabot	57	87,597	39.733	FOUR STAR
2053	GLC15000	1569/204	17-Jun-13	1200 E. McNichols	Alcan	TBAR	17-Jun-13	4815 Cabot	57	87,010	39.467	Classic Cartage
2054	GLC15001	96/403	17-Jun-13	1200 E. McNichols	Alcan	TBAR	17-Jun-13	4815 Cabot	57	87,082	39.500	Classic Cartage
2055	GLC15002	1569/204	17-Jun-13	1200 E. McNichols	Alcan	TBAR	17-Jun-13	4815 Cabot	57	87,123	39.518	Classic Cartage
2056	GLC15003	97/309	17-Jun-13	1200 E. McNichols	Alcan	TBAR	17-Jun-13	4815 Cabot	57	87,048	39.484	Classic Cartage
2057	GLC15004	1022/81245	17-Jun-13	1200 E. McNichols	Alcan	TBAR	17-Jun-13	4815 Cabot	57	87,105	39.510	FOUR STAR
2058	GLC15005	96/403	17-Jun-13	1200 E. McNichols	Alcan	TBAR	17-Jun-13	4815 Cabot	57	87,027	39.475	Classic Cartage
2059	GLC15006	1022/81245	17-Jun-13	1200 E. McNichols	Alcan	TBAR	17-Jun-13	4815 Cabot	57	86,999	39.462	FOUR STAR
2060	GLC15007	1569/204	17-Jun-13	1200 E. McNichols	Alcan	TBAR	17-Jun-13	4815 Cabot	57	87,025	39.474	Classic Cartage
2061	GLC15379	924/5428	17-Jun-13	26090 23 Mile Rd	Abcq	TBAR	17-Jun-13	50703 E Russell	55	87,057	39.488	Classic Cartage
2062	GLC15380	108/808	17-Jun-13	26090 23 Mile Rd	Abcq	TBAR	17-Jun-13	50703 E Russell	59	87,484	39.682	Classic Cartage
2063	GLC15381	924/5428	17-Jun-13	26090 23 Mile Rd	Abcq	TBAR	17-Jun-13	50703 E Russell	56	87,761	39.808	Classic Cartage
2064	GLC15382	108/808	17-Jun-13	26090 23 Mile Rd	Abcq	TBAR	17-Jun-13	50703 E Russell	54	86,603	39.283	Classic Cartage
2065	GLC15383	6/6B	17-Jun-13	26090 23 Mile Rd	Abcq	TBAR	17-Jun-13	50703 E Russell	55	86,850	39.395	Classic Cartage
2066	GLC15384	924/5428	17-Jun-13	26090 23 Mile Rd	Abcq	TBAR	17-Jun-13	50703 E Russell	55	86,635	39.297	Classic Cartage
2067	GLC15385	108/808	17-Jun-13	26090 23 Mile Rd	Abcq	TBAR	17-Jun-13	50703 E Russell	55	86,793	39.369	Classic Cartage
2068	GLC15386	6/6B	17-Jun-13	26090 23 Mile Rd	Abcq	TBAR	17-Jun-13	50703 E Russell	57	86,970	39.449	Classic Cartage
2069	GLC15387	924/5428	17-Jun-13	26090 23 Mile Rd	Abcq/Sha	TBAR/SOW	17-Jun-13	50703 E Russell	58	87,843	39.845	Classic Cartage
2070	GLC15388	108/808	17-Jun-13	26090 23 Mile Rd	Sha	SOW	17-Jun-13	50703 E Russell	54	87,647	39.756	Classic Cartage

	M	N	O
2026	14270-01	$235.00	$235.00
2027	14271-01	$235.00	$235.00
2028	14272-01	$235.00	$235.00
2029	14273-01	$235.00	$235.00
2030	14274-01	$235.00	$235.00
2031	14275-01	$235.00	$235.00
2032	14276-01	$235.00	$235.00
2033	14277-01	$235.00	$235.00
2034	124	$200.00	$200.00
2035	1555072-00	$250.00	$250.00
2036	124	$200.00	$200.00
2037	1555073-00	$250.00	$250.00
2038	124	$200.00	$200.00
2039	155074-00	$250.00	$250.00
2040	124	$200.00	$200.00
2041	1555076-00	$250.00	$250.00
2042	1555075-00	$250.00	$250.00
2043	124	$200.00	$200.00
2044	1555078-00	$250.00	$250.00
2045	129	$200.00	$200.00
2046	129	$200.00	$200.00
2047	124	$200.00	$200.00
2048	1555080-00	$250.00	$250.00
2049	129	$200.00	$200.00
2050	1555429-00	$250.00	$250.00
2051	1555079-00	$250.00	$250.00
2052	1555081-00	$250.00	$250.00
2053	129	$200.00	$200.00
2054	129	$200.00	$200.00
2055	129	$200.00	$200.00
2056	129	$200.00	$200.00
2057	1555077-00	$250.00	$250.00
2058	129	$200.00	$200.00
2059	1555082-00	$250.00	$250.00
2060	129	$200.00	$200.00
2061	124	$200.00	$200.00
2062	124	$200.00	$200.00
2063	124	$200.00	$200.00
2064	124	$200.00	$200.00
2065	124	$200.00	$200.00
2066	124	$200.00	$200.00
2067	124	$200.00	$200.00
2068	124	$200.00	$200.00
2069	124	$200.00	$200.00
2070	124	$200.00	$200.00

	A	B	C	D	E	F	G	H	I	J	K	L
2071	GLC15389	6/6B	17-Jun-13	26090 23 Mile Rd	Sha	SOW	17-Jun-13	50703 E Russell	54	87,270	39.585	Classic Cartage
2072	GLC15390	924/5428	17-Jun-13	26090 23 Mile Rd	Sha	SOW	17-Jun-13	50703 E Russell	54	87,727	39.792	Classic Cartage
2073	GLC15391	108/808	17-Jun-13	26090 23 Mile Rd	Sha	SOW	17-Jun-13	50703 E Russell	54	87,415	39.651	Classic Cartage
2074	GLC15392	6/6B	17-Jun-13	26090 23 Mile Rd	Sha	SOW	17-Jun-13	50703 E Russell	53	86,371	39.177	Classic Cartage
2075	GLC15393	924/5428	17-Jun-13	26090 23 Mile Rd	Sha	SOW	17-Jun-13	50703 E Russell	54	87,215	39.560	Classic Cartage
2076	GLC15394	6/6B	17-Jun-13	26090 23 Mile Rd	Sha	SOW	17-Jun-13	50703 E Russell	54	87,524	39.700	Classic Cartage
2077	GLC15860	711/2138	17-Jun-13	151 Lafayette	Abcq	TBAR	17-Jun-13	12850 E. Nine Mile	57	87,140	39.526	Alger
2078	GLC15861	9934/2144AB	17-Jun-13	151 Lafayette	Abcq	TBAR	17-Jun-13	12850 E. Nine Mile	56	86,582	39.273	Alger
2079	GLC15862	2149/2149A	17-Jun-13	151 Lafayette	Abcq	TBAR	17-Jun-13	12850 E. Nine Mile	55	86,809	39.376	Alger
2080	GLC15863	35/35A	17-Jun-13	151 Lafayette	Abcq	TBAR	17-Jun-13	12850 E. Nine Mile	56	87,985	39.909	Alger
2081	GLC15864	78/2147A	17-Jun-13	151 Lafayette	Abcq	TBAR	17-Jun-13	12850 E. Nine Mile	55	86,746	39.347	Alger
2082	GLC15865	711/2138	17-Jun-13	151 Lafayette	Abcq	TBAR	17-Jun-13	12850 E. Nine Mile	58	86,611	39.286	Alger
2083	GLC15866	2149/2149A	17-Jun-13	151 Lafayette	Abcq	TBAR	17-Jun-13	12850 E. Nine Mile	55	86,815	39.379	Alger
2084	GLC15867	9934/2144AB	17-Jun-13	151 Lafayette	Abcq	TBAR	17-Jun-13	12850 E. Nine Mile	55	86,801	39.372	Alger
2085	GLC15868	35/35A	17-Jun-13	151 Lafayette	Abcq	TBAR	17-Jun-13	12850 E. Nine Mile	56	87,314	39.605	Alger
2086	GLC15869	78/2147A	17-Jun-13	151 Lafayette	Abcq	TBAR	17-Jun-13	12850 E. Nine Mile	58	87,499	39.689	Alger
2087	GLC15870	711/2138A	17-Jun-13	151 Lafayette	Abcq	TBAR	17-Jun-13	12850 E. Nine Mile	55	87,053	39.487	Alger
2088	GLC15871	2149/2149A	17-Jun-13	151 Lafayette	Abcq	TBAR	17-Jun-13	12850 E. Nine Mile	55	86,562	39.264	Alger
2089	GLC15872	9934/2144A	17-Jun-13	151 Lafayette	Abcq	TBAR	17-Jun-13	12850 E. Nine Mile	55	86,578	39.271	Alger
2090	GLC15873	35/35A	17-Jun-13	151 Lafayette	Abcq	TBAR	17-Jun-13	12850 E. Nine Mile	55	86,542	39.255	Alger
2091	GLC15874	78/2147A	17-Jun-13	151 Lafayette	Abcq	TBAR	17-Jun-13	12850 E. Nine Mile	55	86,725	39.338	Alger
2092	GLC13931	808	18-Jun-13	6490 Lynch	Alouette	SOW	18-Jun-13	8650 Mt. Elliott	54	86,934	39.433	Classic Cartage
2093	GLC13932	5428	18-Jun-13	6490 Lynch	Alouette	SOW	18-Jun-13	8650 Mt. Elliott	55	87,610	39.739	Classic Cartage
2094	GLC13933	4B	18-Jun-13	6490 Lynch	Alouette	SOW	18-Jun-13	8650 Mt. Elliott	55	87,804	39.827	Classic Cartage
2095	GLC13934	5428	18-Jun-13	6490 Lynch	Abcq/Alouette	TBAR/SOW	18-Jun-13	8650 Mt. Elliott	57	86,731	39.341	Classic Cartage
2096	GLC13935	5428	18-Jun-13	6490 Lynch	Abi/Abcq	TBAR	18-Jun-13	8650 Mt. Elliott	60	87,127	39.520	Classic Cartage
2097	GLC13936	4B	18-Jun-13	6490 Lynch	Abi	TBAR	18-Jun-13	8650 Mt. Elliott	60	87,078	39.498	Classic Cartage
2098	GLC13938	5428	18-Jun-13	6490 Lynch	Abi	TBAR	18-Jun-13	8650 Mt. Elliott	60	86,955	39.442	Classic Cartage
2099	GLC13939	4B	18-Jun-13	6490 Lynch	Abi	TBAR	18-Jun-13	8650 Mt. Elliott	58	86,857	39.398	Classic Cartage
2100	GLC13940	33/080	18-Jun-13	6490 Lynch	Abi	TBAR	18-Jun-13	8650 Mt. Elliott	58	87,471	39.676	Classic Cartage
2101	GLC13941	828	18-Jun-13	6490 Lynch	Abi	TBAR	18-Jun-13	8650 Mt. Elliott	60	87,226	39.565	Classic Cartage
2102	GLC14278	95	18-Jun-13	6307 West Fort St.	Abi	TBAR	18-Jun-13	1200 E. McNichols	54	87,561	39.717	Alger
2103	GLC14279	2140A	18-Jun-13	6307 West Fort St.	Abi	TBAR	18-Jun-13	1200 E. McNichols	54	86,914	39.424	Alger
2104	GLC14280	2137A	18-Jun-13	6307 West Fort St.	Abi	TBAR	18-Jun-13	1200 E. McNichols	54	87,633	39.750	Alger
2105	GLC14281	95	18-Jun-13	6307 West Fort St.	Abi	TBAR	18-Jun-13	1200 E. McNichols	54	87,138	39.525	Alger
2106	GLC14282	2140A	18-Jun-13	6307 West Fort St.	Abi	TBAR	18-Jun-13	1200 E. McNichols	54	86,872	39.405	Alger
2107	GLC14283	2137A	18-Jun-13	6307 West Fort St.	Abi	TBAR	18-Jun-13	1200 E. McNichols	54	87,549	39.712	Alger
2108	GLC14284	95	18-Jun-13	6307 West Fort St.	Abi/Alma	TBAR	18-Jun-13	1200 E. McNichols	54	87,816	39.833	Alger
2109	GLC14285	2140A	18-Jun-13	6307 West Fort St.	Alma	TBAR	18-Jun-13	1200 E. McNichols	53	87,689	39.775	Alger
2110	GLC14286	2137A	18-Jun-13	6307 West Fort St.	Alma	TBAR	18-Jun-13	1200 E. McNichols	53	87,618	39.743	Alger
2111	GLC14287	35A	18-Jun-13	6307 West Fort St.	Alma	TBAR	18-Jun-13	1200 E. McNichols	53	87,616	39.742	Alger
2112	GLC14701	9941AB	18-Jun-13	17423 West Jefferson	Alcan	SOW	18-Jun-13	20495 Pennsylvania	64	87,887	39.865	Classic Cartage
2113	GLC14702	1018	18-Jun-13	17423 West Jefferson	Alcan/Ormet	SOW	18-Jun-13	20495 Pennsylvania	62	87,595	39.732	FOUR STAR
2114	GLC14703	1018	18-Jun-13	17423 West Jefferson	Ormet	SOW	18-Jun-13	20495 Pennsylvania	59	87,734	39.796	FOUR STAR
2115	GLC14704	9941AB	18-Jun-13	17423 West Jefferson	Ormet	SOW	18-Jun-13	20495 Pennsylvania	59	87,666	39.765	Classic Cartage

	M	N	O
2071	124	$200.00	$200.00
2072	124	$200.00	$200.00
2073	124	$200.00	$200.00
2074	124	$200.00	$200.00
2075	124	$200.00	$200.00
2076	124	$200.00	$200.00
2077	15860-01	$235.00	$235.00
2078	15861-01	$235.00	$235.00
2079	15862-01	$235.00	$235.00
2080	15863-01	$235.00	$235.00
2081	15864-01	$235.00	$235.00
2082	15865-01	$235.00	$235.00
2083	15866-01	$235.00	$235.00
2084	15867-01	$235.00	$235.00
2085	15868-01	$235.00	$235.00
2086	15869-01	$235.00	$235.00
2087	15870-01	$235.00	$235.00
2088	15871-01	$235.00	$235.00
2089	15872-01	$235.00	$235.00
2090	15873-01	$235.00	$235.00
2091	15874-01	$235.00	$235.00
2092	124	$200.00	$200.00
2093	124	$200.00	$200.00
2094	124	$200.00	$200.00
2095	124	$200.00	$200.00
2096	124	$200.00	$200.00
2097	124	$200.00	$200.00
2098	124	$200.00	$200.00
2099	124	$200.00	$200.00
2100	124	$200.00	$200.00
2101	124	$200.00	$200.00
2102	14278-01	$235.00	$235.00
2103	14279-01	$235.00	$235.00
2104	14230-01	$235.00	$235.00
2105	14281-01	$235.00	$235.00
2106	14282-01	$235.00	$235.00
2107	14283-01	$235.00	$235.00
2108	14284-01	$235.00	$235.00
2109	14285-01	$235.00	$235.00
2110	14286-01	$235.00	$235.00
2111	14287-01	$235.00	$235.00
2112	124	$200.00	$200.00
2113	1555252-00	$250.00	$250.00
2114	1555248-00	$250.00	$250.00
2115	124	$200.00	$200.00

	A	B	C	D	E	F	G	H	I	J	K	L
2116	GLC14705	1018	18-Jun-13	17423 West Jefferson	Ormet	SOW	18-Jun-13	20495 Pennsylvania	58	86,776	39.361	FOUR STAR
2117	GLC14706	9941AB	18-Jun-13	17423 West Jefferson	Ormet	SOW	18-Jun-13	20495 Pennsylvania	60	87,537	39.706	Classic Cartage
2118	GLC14707	77	18-Jun-13	17423 West Jefferson	Ormet	SOW	18-Jun-13	20495 Pennsylvania	60	87,495	39.687	Classic Cartage
2119	GLC14708	1018	18-Jun-13	17423 West Jefferson	Ormet/Alcan	SOW	18-Jun-13	20495 Pennsylvania	60	87,112	39.513	FOUR STAR
2120	GLC14709	9941AB	18-Jun-13	17423 West Jefferson	Alcan	SOW	18-Jun-13	20495 Pennsylvania	65	86,798	39.371	Classic Cartage
2121	GLC14710	1018	18-Jun-13	17423 West Jefferson	Alcan	SOW	18-Jun-13	20495 Pennsylvania	65	86,992	39.459	FOUR STAR
2122	GLC14982	96/203	18-Jun-13	1200 E. McNichols	Abcq	TBAR	18-Jun-13	13550 Helen St	56	87,863	39.854	Classic Cartage
2123	GLC15008	1569/204	18-Jun-13	1200 E. McNichols	Alcan	TBAR	18-Jun-13	4815 Cabot	57	87,129	39.521	Classic Cartage
2124	GLC15009	1029/81045	18-Jun-13	1200 E. McNichols	Alcan	TBAR	18-Jun-13	4815 Cabot	57	87,039	39.480	FOUR STAR
2125	GLC15010	1569/204	18-Jun-13	1200 E. McNichols	Alcan	TBAR	18-Jun-13	4815 Cabot	57	87,007	39.466	Classic Cartage
2126	GLC15011	95/17A	18-Jun-13	1200 E. McNichols	Alcan	TBAR	18-Jun-13	4815 Cabot	57	87,058	39.489	Classic Cartage
2127	GLC15012	96/203	18-Jun-13	1200 E. McNichols	Alcan	TBAR	18-Jun-13	4815 Cabot	57	87,094	39.505	Classic Cartage
2128	GLC15013	1569/204	18-Jun-13	1200 E. McNichols	Alcan	TBAR	18-Jun-13	4815 Cabot	57	87,026	39.474	Classic Cartage
2129	GLC15014	1012/812	18-Jun-13	1200 E. McNichols	Alcan	TBAR	18-Jun-13	4815 Cabot	57	87,036	39.479	FOUR STAR
2130	GLC15015	77/605	18-Jun-13	1200 E. McNichols	Alcan	TBAR	18-Jun-13	4815 Cabot	57	87,143	39.527	Classic Cartage
2131	GLC15016	96/203	18-Jun-13	1200 E. McNichols	Alcan	TBAR	18-Jun-13	4815 Cabot	57	87,048	39.484	Classic Cartage
2132	GLC15017	095/17A	18-Jun-13	1200 E. McNichols	Alcan	TBAR	18-Jun-13	4815 Cabot	57	87,070	39.494	Classic Cartage
2133	GLC15018	1011/80150	18-Jun-13	1200 E. McNichols	Alcan	TBAR	18-Jun-13	4815 Cabot	57	86,992	39.459	FOUR STAR
2134	GLC15019	96/203	18-Jun-13	1200 E. McNichols	Alcan	TBAR	18-Jun-13	4815 Cabot	57	87,031	39.477	Classic Cartage
2135	GLC15020	1569/204	18-Jun-13	1200 E. McNichols	Alcan	TBAR	18-Jun-13	4815 Cabot	57	87,057	39.488	Classic Cartage
2136	GLC15395	108/808	18-Jun-13	26090 23 Mile Rd	Sha	SOW	18-Jun-13	50703 E Russell	54	87,202	39.554	Classic Cartage
2137	GLC15396	33/080	18-Jun-13	26090 23 Mile Rd	Sha	SOW	18-Jun-13	50703 E Russell	54	87,524	39.700	Classic Cartage
2138	GLC15397	108/808	18-Jun-13	26090 23 Mile Rd	Sha	SOW	18-Jun-13	50703 E Russell	54	87,219	39.562	Classic Cartage
2139	GLC15398	6/6B	18-Jun-13	26090 23 Mile Rd	Sha	SOW	18-Jun-13	50703 E Russell	54	87,614	39.741	Classic Cartage
2140	GLC15399	33/080	18-Jun-13	26090 23 Mile Rd	Sha	SOW	18-Jun-13	50703 E Russell	54	87,491	39.685	Classic Cartage
2141	GLC15400	108/808	18-Jun-13	26090 23 Mile Rd	Sha	SOW	18-Jun-13	50703 E Russell	53	87,521	39.699	Classic Cartage
2142	GLC15401	6/6B	18-Jun-13	26090 23 Mile Rd	Sha	SOW	18-Jun-13	50703 E Russell	54	87,149	39.530	Classic Cartage
2143	GLC15402	33/080	18-Jun-13	26090 23 Mile Rd	Sha	SOW	18-Jun-13	50703 E Russell	54	87,751	39.803	Classic Cartage
2144	GLC15403	108/808	18-Jun-13	26090 23 Mile Rd	Sha	SOW	18-Jun-13	50703 E Russell	54	87,306	39.601	Classic Cartage
2145	GLC15404	6/6B	18-Jun-13	26090 23 Mile Rd	Sha	SOW	18-Jun-13	50703 E Russell	54	87,435	39.660	Classic Cartage
2146	GLC15405	33/080	18-Jun-13	26090 23 Mile Rd	Sha	SOW	18-Jun-13	50703 E Russell	54	87,643	39.754	Classic Cartage
2147	GLC15406	108/808	18-Jun-13	26090 23 Mile Rd	Sha	SOW	18-Jun-13	50703 E Russell	54	87,258	39.580	Classic Cartage
2148	GLC15407	6/6B	18-Jun-13	26090 23 Mile Rd	Sha	SOW	18-Jun-13	50703 E Russell	54	87,319	39.607	Classic Cartage
2149	GLC15408	33/080	18-Jun-13	26090 23 Mile Rd	Sha	SOW	18-Jun-13	50703 E Russell	54	87,155	39.533	Classic Cartage
2150	GLC15409	6/6B	18-Jun-13	26090 23 Mile Rd	Sha	SOW	18-Jun-13	50703 E Russell	54	87,547	39.711	Classic Cartage
2151	GLC15875	9934/2144	18-Jun-13	151 Lafayette	Abcq	TBAR	18-Jun-13	12850 E. Nine Mile	55	86,745	39.347	Alger
2152	GLC15875	9934/2144	18-Jun-13	151 Lafayette	Abcq	TBAR	18-Jun-13	12850 E. Nine Mile	55	86,745	39.347	
2153	GLC15876	711/2138A	18-Jun-13	151 Lafayette	Abcq	TBAR	18-Jun-13	12850 E. Nine Mile	55	86,578	39.271	Alger
2154	GLC15877	2149/2149A	18-Jun-13	151 Lafayette	Abcq	TBAR	18-Jun-13	12850 E. Nine Mile	55	86,941	39.436	Alger
2155	GLC15878	35/35A	18-Jun-13	151 Lafayette	Abcq	TBAR	18-Jun-13	12850 E. Nine Mile	55	87,086	39.502	Alger
2156	GLC15879	78/2147A	18-Jun-13	151 Lafayette	Abcq	TBAR	18-Jun-13	12850 E. Nine Mile	55	86,828	39.385	Alger
2157	GLC15880	9934/2144A	18-Jun-13	151 Lafayette	Abcq	TBAR	18-Jun-13	12850 E. Nine Mile	55	86,636	39.297	Alger
2158	GLC15881	711/2138A	18-Jun-13	151 Lafayette	Abcq	TBAR	18-Jun-13	12850 E. Nine Mile	60	86,660	39.308	Alger
2159	GLC15882	2149/2149A	18-Jun-13	151 Lafayette	Abcq	TBAR	18-Jun-13	12850 E. Nine Mile	59	86,469	39.222	Alger
2160	GLC15883	35/35A	18-Jun-13	151 Lafayette	Abcq	TBAR	18-Jun-13	12850 E. Nine Mile	55	86,482	39.228	Alger

	M	N	O
2116	1555249-00	$250.00	$250.00
2117	124	$200.00	$200.00
2118	129	$200.00	$200.00
2119	1555250-00	$250.00	$250.00
2120	124	$200.00	$200.00
2121	1555251-00	$250.00	$250.00
2122	129	$200.00	$200.00
2123	129	$200.00	$200.00
2124	1555254-00	$250.00	$250.00
2125	129	$200.00	$200.00
2126	124	$200.00	$200.00
2127	129	$200.00	$200.00
2128	129	$200.00	$200.00
2129	1555256-00	$250.00	$250.00
2130	129	$200.00	$200.00
2131	129	$200.00	$200.00
2132	124	$200.00	$200.00
2133	1555255-00	$250.00	$250.00
2134	129	$200.00	$200.00
2135	129	$200.00	$200.00
2136	124	$200.00	$200.00
2137	124	$200.00	$200.00
2138	124	$200.00	$200.00
2139	124	$200.00	$200.00
2140	124	$200.00	$200.00
2141	124	$200.00	$200.00
2142	124	$200.00	$200.00
2143	124	$200.00	$200.00
2144	124	$200.00	$200.00
2145	124	$200.00	$200.00
2146	124	$200.00	$200.00
2147	124	$200.00	$200.00
2148	124	$200.00	$200.00
2149	124	$200.00	$200.00
2150	124	$200.00	$200.00
2151	15875-01	$235.00	$235.00
2152			
2153	15876-01	$235.00	$235.00
2154	15877-01	$235.00	$235.00
2155	15878-01	$235.00	$235.00
2156	15879-01	$235.00	$235.00
2157	15880-01	$235.00	$235.00
2158	15881-01	$235.00	$235.00
2159	15882-01	$235.00	$235.00
2160	15883-01	$235.00	$235.00

	A	B	C	D	E	F	G	H	I	J	K	L
2161	GLC15884	78/2147A	18-Jun-13	151 Lafayette	Abcq	TBAR	18-Jun-13	12850 E. Nine Mile	55	86,680	39.317	Alger
2162	GLC15885	9934/2144	18-Jun-13	151 Lafayette	Abcq	TBAR	18-Jun-13	12850 E. Nine Mile	58	86,770	39.358	Alger
2163	GLC15886	711/2138A	18-Jun-13	151 Lafayette	Abcq	TBAR	18-Jun-13	12850 E. Nine Mile	58	86,858	39.398	Alger
2164	GLC15887	2149/2149A	18-Jun-13	151 Lafayette	Abcq	TBAR	18-Jun-13	12850 E. Nine Mile	55	86,751	39.350	Alger
2165	GLC15888	35/35A	18-Jun-13	151 Lafayette	Abcq	TBAR	18-Jun-13	12850 E. Nine Mile	55	86,610	39.286	Alger
2166	GLC15889	78/2147A	18-Jun-13	151 Lafayette	Abcq	TBAR	18-Jun-13	12850 E. Nine Mile	55	86,634	39.297	Alger
2167	GLC13937	924/5428	19-Jun-13	6490 Lynch	Abi	TBAR	19-Jun-13	8650 Mt. Elliott	60	86,863	39.400	Classic Cartage
2168	GLC13942	6B	19-Jun-13	6490 Lynch	Abi	TBAR	19-Jun-13	8650 Mt. Elliott	60	87,131	39.522	Classic Cartage
2169	GLC13943	520/520AB	19-Jun-13	6490 Lynch	Abi	TBAR	19-Jun-13	8650 Mt. Elliott	60	87,036	39.479	Classic Cartage
2170	GLC13944	6B	19-Jun-13	6490 Lynch	Abi	TBAR	19-Jun-13	8650 Mt. Elliott	60	86,925	39.429	Classic Cartage
2171	GLC13945	520	19-Jun-13	6490 Lynch	Abi	TBAR	19-Jun-13	8650 Mt. Elliott	60	87,046	39.483	Classic Cartage
2172	GLC13946	924/5428	19-Jun-13	6490 Lynch	Abi	TBAR	19-Jun-13	8650 Mt. Elliott	56	87,139	39.526	Classic Cartage
2173	GLC13947	924/5428	19-Jun-13	6490 Lynch	Abi	TBAR	19-Jun-13	8650 Mt. Elliott	60	87,485	39.683	Classic Cartage
2174	GLC13948	520/520AB	19-Jun-13	6490 Lynch	Abi	TBAR	19-Jun-13	8650 Mt. Elliott	57	87,985	39.909	Classic Cartage
2175	GLC13949LTL	6B	19-Jun-13	6490 Lynch	Abi	TBAR	19-Jun-13	8650 Mt. Elliott	12	17,446	7.913	Classic Cartage
2176	GLC14288	95	19-Jun-13	6307 West Fort St.	Alma	TBAR	19-Jun-13	1200 E. McNichols	53	87,624	39.746	Alger
2177	GLC14289	2140A	19-Jun-13	6307 West Fort St.	Alma	TBAR	19-Jun-13	1200 E. McNichols	53	87,582	39.727	Alger
2178	GLC14290	35A	19-Jun-13	6307 West Fort St.	Alma	TBAR	19-Jun-13	1200 E. McNichols	53	87,614	39.741	Alger
2179	GLC14291		19-Jun-13	6307 West Fort St.	Alma	TBAR	19-Jun-13	1200 E. McNichols	53	87,598	39.734	Alger
2180	GLC14292	2140A	19-Jun-13	6307 West Fort St.	Alma	TBAR	19-Jun-13	1200 E. McNichols	53	87,598	39.734	Alger
2181	GLC14293	2137A	19-Jun-13	6307 West Fort St.	Alma	TBAR	19-Jun-13	1200 E. McNichols	53	87,673	39.768	Alger
2182	GLC14294	35A	19-Jun-13	6307 West Fort St.	Alma	TBAR	19-Jun-13	1200 E. McNichols	53	87,656	39.760	Alger
2183	GLC14295	95	19-Jun-13	6307 West Fort St.	Alma/Deschambault	TBAR	19-Jun-13	1200 E. McNichols	54	87,378	39.634	Alger
2184	GLC14296	2140A	19-Jun-13	6307 West Fort St.	Deschambault/Dubuc	TBAR	19-Jun-13	1200 E. McNichols	59	86,830	39.385	Alger
2185	GLC14297	2137A	19-Jun-13	6307 West Fort St.	Dubuc	TBAR	19-Jun-13	1200 E. McNichols	60	87,426	39.656	Alger
2186	GLC14298	35A	19-Jun-13	6307 West Fort St.	Dubuc	TBAR	19-Jun-13	1200 E. McNichols	60	87,491	39.685	Alger
2187	GLC14299	2140A	19-Jun-13	6307 West Fort St.	Dubuc	TBAR	19-Jun-13	1200 E. McNichols	60	87,419	39.653	Alger
2188	GLC14300	2137A	19-Jun-13	6307 West Fort St.	Dubuc	TBAR	19-Jun-13	1200 E. McNichols	60	87,458	39.670	Alger
2189	GLC14301LTL	2137A	19-Jun-13	6307 West Fort St.	Dubuc	TBAR	19-Jun-13	1200 E. McNichols	29	42,297	19.186	Alger
2190	GLC14711	1018	19-Jun-13	17423 West Jefferson	Abcq/Alcan	TBAR/SOW	19-Jun-13	20495 Pennsylvania	57	87,334	39.614	FOUR STAR
2191	GLC14712	77	19-Jun-13	17423 West Jefferson	Abcq	TBAR	19-Jun-13	20495 Pennsylvania	55	87,070	39.494	Classic Cartage
2192	GLC14713	1018	19-Jun-13	17423 West Jefferson	Abcq	TBAR	19-Jun-13	20495 Pennsylvania	55	86,976	39.452	FOUR STAR
2193	GLC14714	611A	19-Jun-13	17423 West Jefferson	Abcq	TBAR	19-Jun-13	20495 Pennsylvania	55	87,146	39.529	Classic Cartage
2194	GLC14715	80245	19-Jun-13	17423 West Jefferson	Abcq	TBAR	19-Jun-13	20495 Pennsylvania	56	86,999	39.462	FOUR STAR
2195	GLC14716	77	19-Jun-13	17423 West Jefferson	Abcq	TBAR	19-Jun-13	20495 Pennsylvania	55	86,672	39.314	Classic Cartage
2196	GLC14717	1018	19-Jun-13	17423 West Jefferson	Abcq/Alcan	TBAR	19-Jun-13	20495 Pennsylvania	56	87,590	39.730	FOUR STAR
2197	GLC14718	81245	19-Jun-13	17423 West Jefferson	Alcan	TBAR	19-Jun-13	20495 Pennsylvania	57	87,195	39.551	FOUR STAR
2198	GLC14719	808	19-Jun-13	17423 West Jefferson	Alcan	TBAR/SOW	19-Jun-13	20495 Pennsylvania	59	87,066	39.493	Classic Cartage
2199	GLC14720	611AB	19-Jun-13	17423 West Jefferson	Alcan	SOW	19-Jun-13	20495 Pennsylvania	67	87,619	39.743	Classic Cartage
2200	GLC15021	1011/80150	19-Jun-13	1200 E. McNichols	Alcan	TBAR	19-Jun-13	4815 Cabot	57	87,048	39.484	FOUR STAR
2201	GLC15022	1025/1025A	19-Jun-13	1200 E. McNichols	Alcan	TBAR	19-Jun-13	4815 Cabot	57	87,090	39.503	FOUR STAR
2202	GLC15023	96/203	19-Jun-13	1200 E. McNichols	Alcan	TBAR	19-Jun-13	4815 Cabot	57	87,018	39.471	Classic Cartage
2203	GLC15025	194/4593	19-Jun-13	1200 E. McNichols	Alcan	TBAR	19-Jun-13	4815 Cabot	57	87,144	39.528	Classic Cartage
2204	GLC15026	1569/204	19-Jun-13	1200 E. McNichols	Alcan	TBAR	19-Jun-13	4815 Cabot	57	87,008	39.466	Classic Cartage
2205	GLC15027	96/203	19-Jun-13	1200 E. McNichols	Alcan	TBAR	19-Jun-13	4815 Cabot	57	87,116	39.515	Classic Cartage

	M	N	O
2161	15884-01	$235.00	$235.00
2162	15885-01	$235.00	$235.00
2163	15886-01	$235.00	$235.00
2164	15887-01	$235.00	$235.00
2165	15888-01	$235.00	$235.00
2166	15889-01	$235.00	$235.00
2167	124	$200.00	$200.00
2168	124	$200.00	$200.00
2169	124	$200.00	$200.00
2170	124	$200.00	$200.00
2171	124	$200.00	$200.00
2172	124	$200.00	$200.00
2173	124	$200.00	$200.00
2174	124	$200.00	$200.00
2175	124	$200.00	$200.00
2176	14288-01	$235.00	$235.00
2177	14289-01	$235.00	$235.00
2178	14290-01	$235.00	$235.00
2179	14291-01	$235.00	$235.00
2180	14292-01	$235.00	$235.00
2181	14293-01	$235.00	$235.00
2182	14294-01	$235.00	$235.00
2183	14295-01	$235.00	$235.00
2184	14296-01	$235.00	$235.00
2185	14297-01	$235.00	$235.00
2186	14298-01	$235.00	$235.00
2187	14299-02	$235.00	$235.00
2188	14300-01	$235.00	$235.00
2189	14301-01	$235.00	$235.00
2190	1555420-00	$250.00	$250.00
2191	129	$200.00	$200.00
2192	1555421-00	$250.00	$250.00
2193	124	$200.00	$200.00
2194	1555424-00	$250.00	$250.00
2195	129	$200.00	$200.00
2196	1555423-00	$250.00	$250.00
2197	1555422-00	$250.00	$250.00
2198	124	$200.00	$200.00
2199	124	$200.00	$200.00
2200	1555258-00	$250.00	$250.00
2201	1555257-00	$250.00	$250.00
2202	129	$200.00	$200.00
2203	124	$200.00	$200.00
2204	129	$200.00	$200.00
2205	129	$200.00	$200.00

	A	B	C	D	E	F	G	H	I	J	K	L
2206	GLC15028	96/203	19-Jun-13	1200 E. McNichols	Alcan	TBAR	19-Jun-13	4815 Cabot	57	87,179	39.544	Classic Cartage
2207	GLC15029	194/4593	19-Jun-13	1200 E. McNichols	Alcan	TBAR	19-Jun-13	4815 Cabot	57	87,042	39.482	Classic Cartage
2208	GLC15030	1029/81045	19-Jun-13	1200 E. McNichols	Alcan	TBAR	19-Jun-13	4815 Cabot	57	86,976	39.452	FOUR STAR
2209	GLC15031	1015/C920775	19-Jun-13	1200 E. McNichols	Alcan	TBAR	19-Jun-13	4815 Cabot	57	87,069	39.494	FOUR STAR
2210	GLC15032	095/17A	19-Jun-13	1200 E. McNichols	Alcan	TBAR	19-Jun-13	4815 Cabot	57	87,029	39.476	Classic Cartage
2211	GLC15033	1569/204	19-Jun-13	1200 E. McNichols	Alcan	TBAR	19-Jun-13	4815 Cabot	57	87,004	39.464	Classic Cartage
2212	GLC15034	1569/204	19-Jun-13	1200 E. McNichols	Alcan	TBAR	19-Jun-13	4815 Cabot	57	87,111	39.513	Classic Cartage
2213	GLC15035	1029/81045	19-Jun-13	1200 E. McNichols	Alcan	TBAR	19-Jun-13	4815 Cabot	57	87,095	39.506	FOUR STAR
2214	GLC15036	1011/81050	19-Jun-13	1200 E. McNichols	Alcan	TBAR	19-Jun-13	4815 Cabot	57	87,076	39.497	FOUR STAR
2215	GLC15037LTL	1011/80150	19-Jun-13	1200 E. McNichols	Alcan	TBAR	19-Jun-13	4815 Cabot	36	54,975	24.936	FOUR STAR
2216	GLC15410	108/808	19-Jun-13	26090 23 Mile Rd	Sha	SOW	19-Jun-13	50703 E Russell	54	87,896	39.869	Classic Cartage
2217	GLC15411	108/808	19-Jun-13	26090 23 Mile Rd	Sha	SOW	19-Jun-13	50703 E Russell	54	87,496	39.688	Classic Cartage
2218	GLC15412	108/808	19-Jun-13	26090 23 Mile Rd	Sha	SOW	19-Jun-13	50703 E Russell	53	87,314	39.605	Classic Cartage
2219	GLC15413	1A/0080	19-Jun-13	26090 23 Mile Rd	Sha	SOW	19-Jun-13	50703 E Russell	54	87,518	39.698	Classic Cartage
2220	GLC15414	108/808	19-Jun-13	26090 23 Mile Rd	Sha	SOW	19-Jun-13	50703 E Russell	54	87,668	39.766	Classic Cartage
2221	GLC15415	1A/0080	19-Jun-13	26090 23 Mile Rd	Sha	SOW	19-Jun-13	50703 E Russell	53	86,415	39.197	Classic Cartage
2222	GLC15416	108/808	19-Jun-13	26090 23 Mile Rd	Sha	SOW	19-Jun-13	50703 E Russell	53	86,771	39.359	Classic Cartage
2223	GLC15417	1A/0080	19-Jun-13	26090 23 Mile Rd	Sha	SOW	19-Jun-13	50703 E Russell	54	87,648	39.757	Classic Cartage
2224	GLC15418	108/808	19-Jun-13	26090 23 Mile Rd	Sha	SOW	19-Jun-13	50703 E Russell	54	87,643	39.754	Classic Cartage
2225	GLC15419	1A/0080	19-Jun-13	26090 23 Mile Rd	Sha	SOW	19-Jun-13	50703 E Russell	54	87,464	39.673	Classic Cartage
2226	GLC15420	108/808	19-Jun-13	26090 23 Mile Rd	Sha	SOW	19-Jun-13	50703 E Russell	54	87,211	39.558	Classic Cartage
2227	GLC15421	1A/0080	19-Jun-13	26090 23 Mile Rd	Sha	SOW	19-Jun-13	50703 E Russell	54	87,481	39.681	Classic Cartage
2228	GLC15422	108/808	19-Jun-13	26090 23 Mile Rd	Sha/Dubuc	SOW/TBAR	19-Jun-13	50703 E Russell	53	86,782	39.364	Classic Cartage
2229	GLC15423	1A/0080	19-Jun-13	26090 23 Mile Rd	Intalco/Dubuc	TBAR	19-Jun-13	50703 E Russell	56	87,418	39.652	Classic Cartage
2230	GLC15424	1A/0080	19-Jun-13	26090 23 Mile Rd	Intalco	TBAR	19-Jun-13	50703 E Russell	58	87,923	39.881	Classic Cartage
2231	GLC15890	711/2138A	19-Jun-13	151 Lafayette	Abcq	TBAR	19-Jun-13	12850 E. Nine Mile	55	86,637	39.298	Alger
2232	GLC15891	9934/2144	19-Jun-13	151 Lafayette	Abcq	TBAR	19-Jun-13	12850 E. Nine Mile	58	86,578	39.271	Alger
2233	GLC15892	78/2147A	19-Jun-13	151 Lafayette	Abcq	TBAR	19-Jun-13	12850 E. Nine Mile	55	86,601	39.282	Alger
2234	GLC15893	711/2138A	19-Jun-13	151 Lafayette	Abcq	TBAR	19-Jun-13	12850 E. Nine Mile	55	86,884	39.410	Alger
2235	GLC15894	9934/2144	19-Jun-13	151 Lafayette	Abcq	TBAR	19-Jun-13	12850 E. Nine Mile	56	87,788	39.820	Alger
2236	GLC15895	634/634A	19-Jun-13	151 Lafayette	Abcq	TBAR	19-Jun-13	12850 E. Nine Mile	58	87,232	39.568	Alger
2237	GLC15896	78/2147A	19-Jun-13	151 Lafayette	Abcq	TBAR	19-Jun-13	12850 E. Nine Mile	55	86,844	39.392	Alger
2238	GLC15897	711/2138A	19-Jun-13	151 Lafayette	Abcq	TBAR	19-Jun-13	12850 E. Nine Mile	55	86,732	39.341	Alger
2239	GLC15898	9934/2144	19-Jun-13	151 Lafayette	Abcq	TBAR	19-Jun-13	12850 E. Nine Mile	55	86,886	39.411	Alger
2240	GLC15899	634/634A	19-Jun-13	151 Lafayette	Abcq	TBAR	19-Jun-13	12850 E. Nine Mile	55	86,737	39.343	Alger
2241	GLC15900	78/2147A	19-Jun-13	151 Lafayette	Abcq	TBAR	19-Jun-13	12850 E. Nine Mile	55	86,857	39.398	Alger
2242	GLC15901	711/2138A	19-Jun-13	151 Lafayette	Abcq	TBAR	19-Jun-13	12850 E. Nine Mile	55	86,472	39.223	Alger
2243	GLC15902	9934/2144A	19-Jun-13	151 Lafayette	Abcq	TBAR	19-Jun-13	12850 E. Nine Mile	55	86,605	39.283	Alger
2244	GLC15903	78/2147A	19-Jun-13	151 Lafayette	Abcq	TBAR	19-Jun-13	12850 E. Nine Mile	55	86,739	39.344	Alger
2245	GLC15904	634/634A	19-Jun-13	151 Lafayette	Abcq	TBAR	19-Jun-13	12850 E. Nine Mile	55	86,683	39.319	Alger
2246	GLC14721	9941AB	20-Jun-13	17423 West Jefferson	Alcan	SOW	20-Jun-13	20495 Pennsylvania	65	87,822	39.835	Classic Cartage
2247	GLC14722	9941AB	20-Jun-13	17423 West Jefferson	Alcan	SOW	20-Jun-13	20495 Pennsylvania	66	87,778	39.815	Classic Cartage
2248	GLC14723LTL	9941AB	20-Jun-13	17423 West Jefferson	Alcan	SOW	20-Jun-13	20495 Pennsylvania	34	46,589	21.132	Classic Cartage
2249	GLC15024	924/5428	20-Jun-13	1200 E. McNichols	Alcan	TBAR	20-Jun-13	4815 Cabot	57	87,015	39.469	Classic Cartage
2250	GLC15425	108/808	20-Jun-13	26090 23 Mile Rd	Intalco	TBAR	20-Jun-13	50703 E Russell	57	86,962	39.445	Classic Cartage

	M	N	O
2206	129	$200.00	$200.00
2207	124	$200.00	$200.00
2208	1555428-00	$250.00	$250.00
2209	1555259-00	$250.00	$250.00
2210	124	$200.00	$200.00
2211	129	$200.00	$200.00
2212	129	$200.00	$200.00
2213	1555430-00	$250.00	$250.00
2214	1555431-00	$250.00	$250.00
2215	1555427-00	$250.00	$250.00
2216	124	$200.00	$200.00
2217	124	$200.00	$200.00
2218	124	$200.00	$200.00
2219	124	$200.00	$200.00
2220	124	$200.00	$200.00
2221	124	$200.00	$200.00
2222	124	$200.00	$200.00
2223	124	$200.00	$200.00
2224	124	$200.00	$200.00
2225	124	$200.00	$200.00
2226	124	$200.00	$200.00
2227	124	$200.00	$200.00
2228	124	$200.00	$200.00
2229	124	$200.00	$200.00
2230	124	$200.00	$200.00
2231	15890-01	$235.00	$235.00
2232	15891-01	$235.00	$235.00
2233	15892-01	$235.00	$235.00
2234	15893-01	$235.00	$235.00
2235	15894-01	$235.00	$235.00
2236	15895-01	$235.00	$235.00
2237	15896-01	$235.00	$235.00
2238	15897-01	$235.00	$235.00
2239	15898-01	$235.00	$235.00
2240	15899-01	$235.00	$235.00
2241	15900-01	$235.00	$235.00
2242	15901-01	$235.00	$235.00
2243	15902-01	$235.00	$235.00
2244	15903-01	$235.00	$235.00
2245	15904-01	$235.00	$235.00
2246	124	$200.00	$200.00
2247	124	$200.00	$200.00
2248	124	$200.00	$200.00
2249	124	$200.00	$200.00
2250	124	$200.00	$200.00

	A	B	C	D	E	F	G	H	I	J	K	L
2251	GLC15426	108/808	20-Jun-13	26090 23 Mile Rd	Intalco	TBAR	20-Jun-13	50703 E Russell	57	86,923	39.428	Classic Cartage
2252	GLC15427	4/4B	20-Jun-13	26090 23 Mile Rd	Abi/Intalco	TBAR	20-Jun-13	50703 E Russell	54	87,216	39.561	Classic Cartage
2253	GLC15428	108/808	20-Jun-13	26090 23 Mile Rd	Abi	TBAR	20-Jun-13	50703 E Russell	54	87,579	39.725	Classic Cartage
2254	GLC15429	33/611AB	20-Jun-13	26090 23 Mile Rd	Abi	TBAR	20-Jun-13	50703 E Russell	54	87,557	39.715	Classic Cartage
2255	GLC15430	108/808	20-Jun-13	26090 23 Mile Rd	Abi	TBAR	20-Jun-13	50703 E Russell	54	87,634	39.750	Classic Cartage
2256	GLC15431	33/611AB	20-Jun-13	26090 23 Mile Rd	Abi	TBAR	20-Jun-13	50703 E Russell	54	87,543	39.709	Classic Cartage
2257	GLC15432	108/808	20-Jun-13	26090 23 Mile Rd	Abi	TBAR	20-Jun-13	50703 E Russell	54	87,421	39.654	Classic Cartage
2258	GLC15433	33/611AB	20-Jun-13	26090 23 Mile Rd	Abi	TBAR	20-Jun-13	50703 E Russell	54	87,658	39.761	Classic Cartage
2259	GLC15434	4/4B	20-Jun-13	26090 23 Mile Rd	Abi	TBAR	20-Jun-13	50703 E Russell	54	87,563	39.718	Classic Cartage
2260	GLC15435	33/611AB	20-Jun-13	26090 23 Mile Rd	Abi	TBAR	20-Jun-13	50703 E Russell	54	87,592	39.731	Classic Cartage
2261	GLC15436	4/4B	20-Jun-13	26090 23 Mile Rd	Abi	TBAR	20-Jun-13	50703 E Russell	54	87,599	39.734	Classic Cartage
2262	GLC15437	33/611AB	20-Jun-13	26090 23 Mile Rd	Abi	TBAR	20-Jun-13	50703 E Russell	54	87,510	39.694	Classic Cartage
2263	GLC15905	9934/2144	20-Jun-13	151 Lafayette	Abcq	TBAR	20-Jun-13	12850 E. Nine Mile	55	86,537	39.253	Alger
2264	GLC15906	711/2138A	20-Jun-13	151 Lafayette	Abcq	TBAR	20-Jun-13	12850 E. Nine Mile	55	86,836	39.388	Alger
2265	GLC15907	9934/2144	20-Jun-13	151 Lafayette	Abcq/Alcan	TBAR/SOW	20-Jun-13	12850 E. Nine Mile	61	87,276	39.588	Alger
2266	GLC15908	711/2138A	20-Jun-13	151 Lafayette	Alcan	SOW	20-Jun-13	12850 E. Nine Mile	49	79,450	36.038	Alger
2267	GLC15909	9934/2144	20-Jun-13	151 Lafayette	Alcan	TBAR/ING	20-Jun-13	26090 23 Mile Rd A	46	85,592	38.824	Alger
2268	GLC15937	4/4B	20-Jun-13	26090 23 Mile Rd	Abi	TBAR	20-Jun-13	50703 E Russell	54	87,602	39.736	Classic Cartage
2269	GLC15938	33/611AB	20-Jun-13	26090 23 Mile Rd	Abi	TBAR	20-Jun-13	50703 E Russell	54	87,508	39.693	Classic Cartage
2270	GLC15939	4/4B	20-Jun-13	26090 23 Mile Rd	Abi/Alma	TBAR/SOW	20-Jun-13	50703 E Russell	55	87,908	39.874	Classic Cartage
2271	GLC15940	33/611AB	20-Jun-13	26090 23 Mile Rd	Alma/Abcq	SOW/TBAR	20-Jun-13	50703 E Russell	63	86,731	39.341	Classic Cartage
2272	GLC15941LTL	108/808	20-Jun-13	26090 23 Mile Rd	Abcq	TBAR	20-Jun-13	50703 E Russell	13	18,416	8.353	Classic Cartage
2273												
2274										196,489,183	89,087	

	M	N	O
2251	124	$200.00	$200.00
2252	124	$200.00	$200.00
2253	124	$200.00	$200.00
2254	124	$200.00	$200.00
2255	124	$200.00	$200.00
2256	124	$200.00	$200.00
2257	124	$200.00	$200.00
2258	124	$200.00	$200.00
2259	124	$200.00	$200.00
2260	124	$200.00	$200.00
2261	124	$200.00	$200.00
2262	124	$200.00	$200.00
2263	15905-01	$235.00	$235.00
2264	155906-01	$235.00	$235.00
2265	15907-01	$235.00	$235.00
2266	15908-01	$235.00	$235.00
2267	15909-01	$235.00	$235.00
2268	129	$200.00	$200.00
2269	124	$200.00	$200.00
2270	124	$200.00	$200.00
2271	124	$200.00	$200.00
2272	124	$200.00	$200.00
2273			
2274		$492,732.00	$492,732.00

OFFICIAL GAZETTE No. 48.294 of 2011

MINISTRY OF THE ENVIRONMENT AND SUSTAINABLE DEVELOPMENT

RESOLUTION 0335

(22nd of December of 2011)

"Whereby Resolution No. 1732 of the 8th of September of 2010 is repealed, and the areas – source of pollution of the Coaler Zone of Cesar are reclassified, and other provisions are enacted"

The Minister of the Environment and Sustainable Development pursuant to his legal powers, in particular those established by item 14 of Article 5 of Law 99 of 1993 and Article 108 of Decree 948 of 1995, as amended by Article 5 of Decree 979 of 2006, and

WITNESSETH

Whereas, in decree 948 of the 5th of June of 1995 the National Government partially regulated Law 23 of 1973, Articles 33, 73, 74, 75 and 76 of Decree - Law 2811 of 1974; articles 41, 42, 43, 44, 45, 48 and 49 of Law 9 of 1979 and Law 99 of 1993 regarding the prevention and control of atmospheric pollution and the protection of air quality;

Whereas, item d) of Article 65 of the aforementioned Decree stipulates that it is the duty of the Ministry of the Environment and Sustainable Development to enact the measures to restrict the emission into the atmosphere of polluting substances as well as to reestablish the environment deteriorated by those emissions.

Whereas, Article 108 of Decree 948 of 1994, as amended by Article 5 of Decree 979 of 2006, establishes that "*the competent environmental authorities must classify as areas – source of pollution urban or rural zones of the national territory, according to the number and characteristics of the emissions and the degree of concentration of pollutants in the air, based on the historic measurements available to the environmental authority, in order to carry out the localized programs of reduction of atmospheric pollution. This classification will establish the different types of areas, the limits of emission of pollutants established for the stationary and mobile sources that operate or that contribute to the pollution in each one of them, the range or index or reduction of emissions or discharges established for such sources and the term that they have to make the respective reduction*", pointing out the four possible classifications of an area – source of pollution

Whereas, this Ministry, in Resolution Number 0601 of the 4th of April of 2006, as amended by Resolution Number 610 of the 24th of March of 2010, established the Immission Level or Air Quality Standard for the entire National Territory under reference conditions.

Whereas by Resolution No. 0295 of the 20th of February of 2007, pursuant to the powers granted by item 16 of Article 5 of Law 99 of 1993, this Ministry assumed, on a temporary basis, the current and subsequent management of the affairs of the Regional Autonomous Corporation of Cesar – Corpocesar – related to environmental licenses, Environmental Management Plans, permits, concessions and all other environmental authorizations of the coaler projects located in the center of the department of Cesar, in particular in the municipalities of La Jagua de Ibirico, El Paso, Becerril, Chiriguaná, Agustín Codazzi and Tamalameque, for their evaluation, control and follow up.

Whereas, in Resolution number 0386 of the 7th of March of 2007 this Ministry established the classification of areas – source of pollution for the coal mining exploitation area of the center of the Department of Cesar.

Whereas, in Resolution number 2176 of the 11th of December of 2007, this Ministry established the Program for the Reduction of areas source of medium and moderate pollution classified in the coal mining exploitation area of the center of the Department of Cesar, in order to reduce the concentration of PST and PM10 in the human settlements located in the areas classified as areas source of medium and moderate pollution to levels under the maximum levels established in the environmental regulations in force.

Whereas, Article 4 of the aforementioned resolution states that this Ministry will verify, on an annual basis starting on March of 2008, whether or not there are conditions to maintain, reclassify o eliminate the classification of the areas source of pollution, utilizing the information of the air quality stations available in the coal mining exploitation areas of the Center of the Department of Cesar.

Whereas, likewise, in article 10 of Resolution number 2176 of the 11th of December of 2007, this Ministry decided to restrict "*... the entry of new sources of emission of particulate matter seeking to operate inside those areas before the zone the subject of restriction reduces its global polluting discharge and when the technical support evidences the capacity of the area to receive the quality of emission of the new sources and to stay within the maximum permissible limits established by the regulations in force. The area's capacity to receive the new polluting emission will be verified with the air quality's historic records and the modeling of the zone's regional air quality*".

Whereas, in Resolution 0412 of the 10th of March of 2008, this Ministry established the reclassification of the areas source of pollution in the coaler zone of the Department of Cesar as high, medium and moderate, establishing, in its second article, that "*For the purposes of the proceedings and obtaining of the environmental licenses, management plans and other relevant permits, any new source of emissions of particles matter located within the areas source of pollution or in their area of influence must consider air quality levels existing in the area source of pollution and the Program for the Reduction of Pollution set forth in Resolution 2176 of 2007 or the one that amends, adds or replaces it, in order to define the measures of mitigation, control and / or compensation to be implemented to reduce the global polluting discharge*".

Whereas, in Resolution Number 909 of the 5th of June of 2008, as amended by Resolution number 1309 of the 13th of July of 2010, this Ministry established the admissible rules and standards for the emission of pollutants to the atmosphere by fixed sources.

Whereas, in Resolution 1560 of the 13th of August of 2009, this Entity established the reclassification of the areas – source of pollution in the Coaler Zone of the department of Cesar as high, medium, moderate and marginal, establishing, in its second article, that "*For the purposes of the obtaining of the environmental licenses, and the relevant environmental permits, any new source of emissions of particles matter located within the areas source of pollution or in their area of influence must consider air quality levels existing in the area source of pollution and the Program for the Reduction of Pollution set forth in Resolution 2176 of 2007 or the one that amends, adds or replaces it, in order to define the measures of mitigation, control and / or compensation to be implemented to reduce the global polluting discharge*".

Whereas, the paragraph of the Second Article of Resolution 1560 of the 13th of August of 2009 determined the suspension of the establishment of new sources of emission of particulate matter in the area – source of emission classified as high, on which the program for the Reduction of Pollution set forth in Resolution 2176 of 2007 or the one that amends, adds or replaces it must be carried out.

Whereas, in Resolution 1732 of the 8th of September of 2010, the Ministry of the Environment, Housing and Territorial Development repealed Resolution 1560 of the 13th of August of 2009, and reclassified the areas – source of pollution of the Coaler Zone of Cesar, taking into account the provisions of the environmental regulations in force.

Whereas, in the central zone of the Department of Cesar there are different mining projects for the exploitation of coal and there are several applications being processed for the expansion and / or integration of several of these projects, as well as for the environmental licensing for the development of new projects of the same nature.

Whereas, this administrative decision id based on Technical Opinions numbers 1314 of the 29th of August of 2011 and 1576 of the 10th of October of 2011, which were made in order to reclassify the areas – source of pollution of the Coaler Zone of Cesar, based on the results obtained in the Special Air Quality Oversight System of the Coaler Zone of the Department of Cesar during the period comprised between March of 2010 and February of 2011.

Whereas, the area in which the evaluation of areas – source of pollution corresponds to the coaler area of the department of Cesar correspond to the coaler zone of the department of Cesar, located in jurisdiction of the municipality of El Paso, La Jagua de Ibirico, Chiriguaná, Becerril and Agustín Codazzi.

Whereas, for the purposes of the reclassification of the areas – source of pollution of the coal mining zone in the central zone of the department of Cesar, the information obtained from the monitoring stations of the Special Air Quality Oversight System of the Regional Autonomous Corporation of Cesar – Corpocesar was assessed, as well as the one obtained from the stations operated by the company Drummond Ltd.

Whereas, as part of the follow – up made on the company called Drummond Ltd., pursuant to the La Loma – Pribbenow Mining Project, air quality monitoring stations were installed in the villages of La Loma, Boquerón, Palmita and La Aurora, operated by the aforementioned company and the measurement of which forwarded to this Ministry were the input for the classification of areas – source of pollution established in Resolution Number 0386 of the 7th of March of 2007, which are still being operated and generate information that is additional and supplementary to the information obtained by the regional Autonomous Corporation of Cesar – Corpocesar.

Whereas, in this line of thought, the data utilized correspond to the results of concentration of total suspended particles (PST) and particles of less than 10 microns (PM10) of Corpocesar's stations as well as from the Palmitas Station managed by Drummond Ltd, because Corpocesar's Special Air Quality Oversight System does not have measurements of the total suspended particles (PST) in the station located in the village of Palmitas.

Whereas, Corpocesar's Special Air Quality Oversight System provides the information of sixteen (16) stations, is made up by twenty six (26) units of equipment, of which ten (109 measure PST, fifteen (15) measure PM10 and one (1) measures PM 2.5. This oversight system started operations in April of 2007, and the results thereof can be accessed in Corpocesar's webpage, in the Redminera link. The stations are currently organized as shown below:

AIR QUALITY STATIONS OF THE SPECIAL AIR QUALITY OVERSIGHT SYSTEM OF THE COALER ZONE OF THE DEPARTMENT OF CESAR

ID	STATION	PARAMETERS MEASURED

		PST	PM10	PM 2.5
ZM1	La Loma Centro	X	X	
ZM2	La Jagua Centro	X	X	X
ZM3	La Loma 2	X	X	
ZM4	Las Palmitas		X	
ZM5	La Aurora	X	X	
ZM6	Boquerón	X	X	
ZM7	Plan Bonito Norte	X	X	
ZM9	La Jagua Vía	X	X	
ZM11	Bottom (*de fondo*)		X	
ID	STATION	PARAMETERS MEASURED		
		PST	PST	PST
ZM12	Rincón Hondo	X	X	
ZM13	El Hatillo	X	X	
ZM14	Estados Unidos	X		
ZM15	Chiriguaná		X	
ZM17	El Prado		X	
ZM18	Norcarbon Mobile		X	
ZM19	Becerril		X	
TOTAL EQUIPMENT		10	15	1

Whereas, the reclassification of the areas – source of pollution was based on the procedure established by Decree 979 of 2006 and is focused on the parameters of total suspended particles (PST) and particles of less than 10 microns (PM10), for which Resolution No. 0601 of the 4th of April of 2006, as amended by Resolution 0610 of the 24th of March of 2010 established the daily standard in 300 mg / m3, and the annual standard on 100 mg / m3 for PST, and the daily standard in 150 µg / m3 and the annual standard in 60 µg / m3 for PM10 until the 31st of December of 2010 and, as from the 1st of January of 2011, the daily standard was established in 100 µg / m3, and the annual standard in 50 µg / m3.

Whereas, according to the foregoing, the following activities were carried out:

- Taking of daily averages for PST and PM10 obtained from the Special Air Quality Oversight System for the period comprised between March of 2010 and February of 2011.

- The counting of the 24 – hour measurements made during the aforementioned evaluation period and the comparison of all the 24 – hour measurements against the annual standard. The stations taken into account for the analysis were as follows: La Loma Centro (ZM1), La Jagua – Centro (ZM2), La Loma 2 (ZM3), Las Palmitas (ZM4), Las Palmitas – Drummond, La Aurora (ZM5), Boquerón (ZM6), Plan Bonito Norte (ZM7), La Jagua Vía (ZM9), Bottom (*de fondo)* (Minguillo ZM11), Rincón Hondo (ZM12), El Hatillo (ZM13), Estados Unidos (ZM14) and Chiriguaná (ZM15), with the following results obtained:

EXCEEDANCE OF THE PST ANNUAL STANDARD

STATION	NUMBER OF VALID DATA	NUMBER OF EXCEEDANCES OF THE ANNUAL STANDARD
LA LOMA CENTRO (ZM1)	92	27
LA JAGUA – CENTRO (ZM2)	115	22
LA LOMA 2 (ZM3)	95	28
LAS PALMITAS – DRUMMOND	106	6

LA AURORA (ZM5)	96	8
BOQUERÓN (ZM6)	111	39
PLAN BONITO NORTE (ZM7)	109	69
LA JAGUA VÍA (ZM9)	107	84
RINCÓN HONDO (ZM12)	103	12
EL HATILLO (ZM13)	107	29
ESTADOS UNIDOS (ZM14)	73	3

EXCEEDANCE OF THE PM10 ANNUAL STANDARD

STATION	NUMBER OF VALID DATA	NUMBER OF EXCEEDANCES OF THE ANNUAL STANDARD
LA LOMA CENTRO (ZM1)	78	13
LA JAGUA – CENTRO (ZM2)	117	20
LA LOMA 2 (ZM3)	260	26
LAS PALMITAS – DRUMMOND	106	12
LA AURORA (ZM5)	101	12
BOQUERÓN (ZM6)	117	17
PLAN BONITO NORTE (ZM7)	110	40
LA JAGUA VÍA (ZM9)	111	65
BOTTOM (ZM11)	90	0
RINCÓN HONDO (ZM12)	99	10
EL HATILLO (ZM13)	114	24
CHIRIGUANÁ (ZM15)	327	17

- The El Prado Station (ZM17) is not included in the assessment because throughout the period it has been out of operation since the month of May of 2010 to this date, and therefore it does not have enough data to make the classification. Likewise, the Norcarbón Mobile Station (ZM18) is not included because it is inside the mine and the results do not reflect the impact on the population, and hence it cannot be compared against the standard.

- The Becerril Station (ZM19) is excluded from the evaluation because, although it presents a percentage of exceedances that would classify it as a marginal area – source of pollution, according to this location and the predominant wind direction is of a bottom type, as is the case of Station ZM11, and that the difference in its exceedances is due to the impact of sources not associated to the mining activity, therefore it must be evaluated in an independent manner by the Regional Autonomous Corporation of Cesar – Corpocesar.

- The percentage of exceedances for PST and PM10 of the daily measurements regarding the annual standard was calculated following the procedure established in the Protocol for the Monitoring and Follow – Up of Air Quality established by Resolution 650 of 2010, as amended by Resolution 2154 of 2010:

  - The 24 – hour measurements made during the period comprised between March of 2010 and February of 2011 were assessed;

  - The daily measurements were compared against the annual standard and the number of measurements that exceed the standard was determined;

  - Afterwards, the percentage of exceedances above the standard was figured out by dividing the number of exceedances by the total number of measurements, and multiplying the result by 100.

- The percentage of exceedances figured out was compared with the provisions of Article 5 of Decree 979 of 2006, obtaining the following results:

AREA SOURCE OF POLLUTION FOR TOTAL SUSPENDED PARTICLES – PST

Area Source of Pollution according to Article 5 of Decree 979 of 2006	Station	Percentage of Exceedances calculated until 24 / 02 / 2011 (%)	Range of the Area Source of Pollution
Class I – High Pollution Area	LA JAGUA VÍA (ZM9)	78.50	Higher than 75% of the annual standard
Class II – Medium Pollution Area	PLAN BONITO NORTE (ZM7)	63.30	Higher than 50% and lower than 75% of the annual standard
Class III – Moderate Pollution Area	BOQUERÓN (ZM6)	35.14	Higher than 25% and lower than 50% of the annual standard
	LA LOMA 2 (ZM3)	29.47	
	LA LOMA CENTRO (ZM1)	29.35	
	EL HATILLO (ZM13)	27.10	
Class IV – Marginal Pollution Area	LA JAGUA – CENTRO (ZM2)	19.13	Higher than 10% and lower than 25% of the annual standard
	RINCÓN HONDO (ZM12)	11.65	

- In the Palmita Drummond, La Aurora (ZM5) and Estados Unidos (ZM14) stations the percentage of exceedances regarding the annual standard is lower than 10% and, therefore, it is not classified within the classification established in Decree 979 of 2006.

AREA SOURCE OF POLLUTION FOR PARTICULATE MATTER OF A SIZE SMALLER THAN 10 MICRONS - PM10

Area Source of Pollution according to Article 5 of Decree 979 of 2006	Station	Percentage of Exceedances calculated until 24 / 02 / 2011 (%)	Range of the Area Source of Pollution
Class II – Medium Pollution Area	LA JAGUA VÍA (ZM9)	58.56	Higher than 50% and lower than 75% of the annual standard
Class III – Moderate Pollution Area	PLAN BONITO NORTE (ZM7)	36.36	Higher than 25% and lower than 50% of the annual standard
Class IV – Marginal Pollution Area	EL HATILLO (ZM13)	21.05	Higher than 10% and lower than 25% of the annual standard
	LA JAGUA – CENTRO (ZM2)	20.51	
	LA LOMA CENTRO (ZM1)	16.67	
	BOQUERÓN (ZM6)	14.53	
	LA AURORA (ZM5)	11.88	
	PALMITAS (ZM14)	11.32	

	RINCÓN HONDO (ZM12)	10.10	
	LA LOMA 2 (ZM3)	10.00	

- In the Bottom (ZM11) and Chiriguaná (ZM15) stations, the percentage of exceedances regarding the annual standard is lower than 10% and, therefore, it is not classified within the classification established in Decree 979 of 2006.

- Having assessed the stations that meet the conditions for a source area, the boundaries of the area of influence of each stations were determined, establishing the coordinates of each one of the pollution areas classified, which are determined in the map that is integral part of this Resolution.

Whereas, as a consequence of the foregoing, we have that for the period comprised between March of 2010 and February of 2011, the classification of area – source of pollution for Total suspended Particles PST is as follows:

- In the La Jagua Vía (ZM9) Station, the frequency of the daily measurements that exceed the annual quality standard is of 78.50%, which means that its area of influence must be classified as high pollution source – area.

- In the Plan Bonito Norte (ZM7) Station, the frequency of the daily measurements that exceed the annual quality standard is of 63.30%, which means that its area of influence must be classified as medium pollution source – area.

- In the Boquerón (ZM6) Station, the frequency of the daily measurements that exceed the annual quality standard is of 35.14%, which means that its area of influence must be classified as moderate pollution source – area.

- In the La Loma 2 (ZM3) Station, the frequency of the daily measurements that exceed the annual quality standard is of 29.47%, which means that its area of influence must be classified as moderate pollution source – area.

- In the La Loma Centro (ZM1) Station, the frequency of the daily measurements that exceed the annual quality standard is of 29.35%, which means that its area of influence must be classified as moderate pollution source – area.

- In the El Hatillo (ZM13) Station, the frequency of the daily measurements that exceed the annual quality standard is of 27.10%, which means that its area of influence must be classified as moderate pollution source – area.

- In the La Jagua – Centro (ZM2) Station, the frequency of the daily measurements that exceed the annual quality standard is of 19.13%, which means that its area of influence must be classified as marginal pollution source – area.

- In the Rincón Hondo (ZM12) Station, the frequency of the daily measurements that exceed the annual quality standard is of 11.65%, which means that its area of influence must be classified as marginal pollution source – area.

The classification of the area – source of pollution for Particulate Matter of a size smaller than 10 microns – PM10, is as follows:

- In the La Jagua Vía (ZM9) Station, the frequency of the daily measurements that exceed the annual quality standard is of 58.56%, which means that its area of influence must be classified as medium pollution source – area.
- In the Plan Bonito Norte (ZM7) Station, the frequency of the daily measurements that exceed the annual quality standard is of 36.36%, which means that its area of influence must be classified as moderate pollution source – area.
- In the El Hatillo (ZM13) Station, the frequency of the daily measurements that exceed the annual quality standard is of 21.05%, which means that its area of influence must be classified as marginal pollution source – area.
- In the La Jagua – Centro (ZM2) Station, the frequency of the daily measurements that exceed the annual quality standard is of 20.51%, which means that its area of influence must be classified as marginal pollution source – area.
- In the La Loma Centro (ZM1) Station, the frequency of the daily measurements that exceed the annual quality standard is of 16.67%, which means that its area of influence must be classified as marginal pollution source – area.
- In the Boquerón (ZM6) Station, the frequency of the daily measurements that exceed the annual quality standard is of 14.53%, which means that its area of influence must be classified as marginal pollution source – area.
- In the La Aurora (ZM5) Station, the frequency of the daily measurements that exceed the annual quality standard is of 11.88%, which means that its area of influence must be classified as marginal pollution source – area.
- In the Las Palmitas (ZM4) Station, the frequency of the daily measurements that exceed the annual quality standard is of 11.32%, which means that its area of influence must be classified as marginal pollution source – area.
- In the Rincón Hondo (ZM12) Station, the frequency of the daily measurements that exceed the annual quality standard is of 10.10%, which means that its area of influence must be classified as marginal pollution source – area.
- In the La Loma 2 (ZM3) Station, the frequency of the daily measurements that exceed the annual quality standard is of 10%, which means that its area of influence must be classified as marginal pollution source – area.

Whereas, Resolution No. 2176 of the 11th of December of 2007 establishes as a duty of this Ministry the obligation to verify that the conditions to maintain, reclassify, or eliminate the classification thereof are present, utilizing the information of the air quality stations available in the coal mining exploitation area of the center of the Department of Cesar, and for this, every year, starting on March of 2008, it must continue carrying out that verification in the coal mining exploitation area of the center of the Department of Cesar.

Whereas, by virtue of all of the foregoing, it

DECIDES:

Article 1 – To establish the following classification of areas – source of pollution for the coal mining exploitation area of the center of the Department of Cesar, which is defined on the maps attached to this resolution, according to the recitals hereof:

1. High Pollution Area – Class I, for Total Suspended Particles (PST) comprised by the area of influence of the air quality monitoring station located on the coal road of the municipality of La Jagua de Ibirico, which goes all the way to the area of the sources that increase the contribution of particulate matter on the aforementioned monitoring station. The delimitation of the area is presented in Bogotá Magna – Sirgas Coordinates in the following table (See Attachment No. 1):

DELIMITATION OF THE HIGH POLLUTION SOURCE – AREA — LA JAGUA VÍA — PST

DELIMITATION OF THE HIGH POLLUTION SOURCE – AREA — LA JAGUA VÍA — PST		
VERTEX	EAST	NORTH
1	1083596,49	1550142,56
2	1083583,86	1550127,06
3	1083553,84	1550090,77
4	1083506,2	1550033,66
5	1083452,05	1549969,08
6	1083381,76	1549888,43
7	1083294,17	1549793,55
8	1083191,41	1549691,41
9	1083085,64	1549595,24
10	1082987,75	1549512,94
11	1082929,76	1549466,66
12	1082884,5	1549431,61
13	1082837,18	1549395,49
14	1082790,93	1549361,25
15	1082750,48	1549331,47
16	1082711,31	1549302,94
DELIMITATION OF THE HIGH POLLUTION SOURCE – AREA — LA JAGUA VÍA — PST		
VERTEX	EAST	NORTH
17	1082673,46	1549275,31
18	1082634,05	1549246,64
19	1082597,42	1549219,96
20	1082563,26	1549194,83
21	1082527,16	1549168,01
22	1082491,81	1549141,55
23	1082455,2	1549113,76
24	1082413,41	1549081,82
25	1082371,43	1549049,63
26	1082325,85	1549014,36
27	1082276,87	1548976,62
28	1082227,41	1548938,4
29	1082178,48	1548900,64
30	1082124,36	1548858,8
31	1082068,09	1548815,61
32	1082012,66	1548773,22
33	1081956,03	1548730,08
34	1081898,42	1548686,44
35	1081841,1	1548643,28

36	1081782,73	1548599,53
37	1081724,12	1548556,03
38	1081665,71	1548512,96
39	1081604,35	1548468,19
40	1081543,53	1548424,55
41	1081483,08	1548381,66
42	1081417,65	1548336,13
43	1081350,64	1548290,78
44	1081282,24	1548245,77
45	1081210,79	1548200,42
46	1081135,78	1548154,75
47	1081064,99	1548113,83
48	1080996,29	1548075,53
49	1080926,04	1548038,37
50	1080863,42	1548006,7
51	1080727,02	1547940,18
52	1080605,99	1547885,52
53	1080571,06	1547869,86
54	1080534,2	1547853,38
55	1080489,01	1547833,41
56	1080445,21	1547814,57
57	1080401,26	1547795,76
58	1079826,2	1547555,81
59	1077802,69	1548956,7
60	1079639,36	1552570,99
61	1081423,29	1551821,74
62	1081807,84	1551665,6
63	1082288,94	1551394,5
64	1082732,83	1551072,73
65	1083121,15	1550717,42
66	1083466,25	1550307,77
1	1083596,49	1550142,56

2. Medium Pollution Area – Class II, for Total Suspended Particles (PST) comprised by the area of influence of the air quality monitoring station located on the human settlement of Plan Bonito (municipality of El Paso), which goes all the way to the area of the sources that increase the contribution of particulate matter on the aforementioned village. The delimitation of the area is presented in Bogotá Magna – Sirgas Coordinates in the following table (See Attachment No. 1):

DELIMITATION OF THE MEDIUM POLLUTION SOURCE – AREA — PLAN BONITO — PST

DELIMITATION OF THE MEDIUM POLLUTION SOURCE – AREA — PLAN BONITO — PST		
VERTEX	EAST	NORTH
1	1062454,51	1560112,05
2	1062454,51	1556061,79
3	1065210,38	1555307,43
4	1066607	1554673,69
5	1068301,43	1553621,79
6	1070054,04	1553267,09
7	1070021,64	1557303,31
8	1067540,82	1558672,21

9	1065028,25	1559555,76
1	1062454,51	1560112,05

3. Moderate Pollution Area – Class III, for Total Suspended Particles (PST) comprised by the area of influence of the air quality monitoring stations located on the human settlements of Boquerón (municipality of La Jagua de Ibirico), La Loma (municipality of El Paso), and El Hatillo (municipality of El Paso), which goes all the way to the area of the sources that increase the contribution of particulate matter on the aforementioned human settlements. The delimitation of the area is presented in Bogotá Magna – Sirgas Coordinates in the following table (See Attachment No. 1):

DELIMITATION OF THE MODERATE POLLUTION SOURCE – AREA — LA LOMA – BOQUERÓN – EL HATILLO — PST

DELIMITATION OF THE MODERATE POLLUTION SOURCE – AREA — LA LOMA – BOQUERÓN – EL HATILLO — PST		
VERTEX	EAST	NORTH
1	1059350,00	1562000,00
2	1059350,00	1565000,00
3	1060510,00	1565000,00
4	1060510,00	1568000,00
5	1072600,00	1568000,00
6	1072600,00	1560000,00
7	1070000,00	1560000,00
8	1070021,64	1557303,31
9	1067540,82	1558672,21
10	1065028,25	1559555,76
11	1062454,51	1560112,05
12	1062454,51	1556061,79
13	1065210,38	1555307,43
14	1066607,00	1554673,69
15	1068301,43	1553621,79
16	1070054,04	1553267,09
17	1070021,64	1557303,31
18	1071874,66	1557712,80
19	1076118,74	1554999,48
20	1079639,36	1552570,99
21	1077802,69	1548956,70
22	1071400,00	1553504,91
23	1071403,75	1543487,56
24	1059347,71	1543233,35
25	1053999,21	1549248,20
26	1048017,56	1554593,63
27	1051059,90	1557745,39
28	1055166,80	1562000,00
1	1059350,00	1562000,00

4. Marginal Pollution Area – Class IV, for Total Suspended Particles (PST) comprised by the area of influence of the air quality monitoring stations located in the municipality of La Jagua de Ibirico and the settlement of Rincón Hondo (municipality of Chiriguaná), which goes all the way to the area of the sources that increase the contribution of particulate matter on the aforementioned human

settlements. The delimitation of the area is presented in Bogotá Magna – Sirgas Coordinates in the following table (See Attachment No. 1):

DELIMITATION OF THE MARGINAL POLLUTION SOURCE – AREA — LA JAGUA — PST

DELIMITATION OF THE MARGINAL POLLUTION SOURCE – AREA — LA JAGUA — PST		
VERTEX	EAST	NORTH
1	1084424,17	1553557,71
2	1084882,22	1553899,74
3	1085184,55	1557000,00
4	1086731,33	1557000,00
5	1088170,93	1557000,00
6	1091376,13	1557000,00
7	1092896,08	1553019,66
8	1092821,78	1552822,52
9	1093216,88	1552750,38
10	1091898,27	1549686,23
11	1091984,44	1549543,38
12	1092271,86	1548272,67
13	1091310,00	1546686,05
14	1091310,00	1546212,97
15	1085876,94	1542570,55
16	1085843,22	1544504,20
17	1082683,75	1546532,24
18	1083596,67	1547439,96
19	1082597,90	1548007,26
20	1081820,32	1547787,19
21	1081820,32	1547787,19
22	1081820,32	1547787,19
23	1080167,62	1547319,44
24	1079826,20	1547555,81
25	1080401,26	1547795,76
26	1080445,21	1547814,57
27	1080489,01	1547833,41
28	1080534,20	1547853,38
29	1080571,06	1547869,86
30	1080605,99	1547885,52
31	1080727,02	1547940,18
DELIMITATION OF THE MARGINAL POLLUTION SOURCE – AREA — LA JAGUA — PST		
VERTEX	EAST	NORTH
32	1080863,42	1548006,70
33	1080926,04	1548038,37
34	1080996,29	1548075,53
35	1081064,99	1548113,83
36	1081135,78	1548154,75
37	1081210,79	1548200,42
38	1081282,24	1548245,77
39	1081350,64	1548290,78
40	1081417,65	1548336,13
41	1081483,08	1548381,66

42	1081543,53	1548424,55
43	1081604,35	1548468,19
44	1081665,71	1548512,96
45	1081724,12	1548556,03
46	1081782,73	1548599,53
47	1081841,10	1548643,28
48	1081898,42	1548686,44
49	1081956,03	1548730,08
50	1082012,66	1548773,22
51	1082068,09	1548815,61
52	1082124,36	1548858,80
53	1082178,48	1548900,64
54	1081117,41	1548938,40
55	1081176,87	1548976,62
56	1082325,85	1549014,36
57	1082371,43	1549049,63
58	1082413,41	1549081,82
59	1082455,20	1549113,76
60	1082491,81	1549141,55
61	1082527,16	1549168,01
62	1082563,26	1549194,83
63	1082597,42	1549219,96
64	1082634,05	1549246,64
65	1082673,46	1549275,31
66	1082711,31	1549302,94
67	1082750,48	1549331,47
68	1082790,93	1549361,25
69	1082837,18	1549395,49
70	1082884,50	1549431,61
71	1082929,76	1549466,66
72	1082987,75	1549512,94
73	1083085,64	1549595,24
74	1083191,41	1549691,41
75	1083294,17	1549793,55
76	1083381,76	1549888,43
77	1083452,05	1549969,08
78	1083506,20	1550033,66
79	1083553,84	1550090,77
80	1083583,86	1550127,06
81	1083596,49	1550142,56
82	1083466,25	1550307,77
83	1083121,15	1550717,42
84	1082732,83	1551072,73
85	1082288,94	1551394,50
86	1081807,84	1551665,60
87	1081423,29	1551821,74
88	1083820,94	1553892,84
1	1084424,17	1553557,71

DELIMITATION OF THE MARGINAL POLLUTION SOURCE – AREA — RINCON HONDO — PST

DELIMITATION OF THE MARGINAL POLLUTION SOURCE – AREA — LA JAGUA — PST		
VERTEX	EAST	NORTH
1	1071408,15	1538660,81
2	1072157,19	1540065,24
3	1072866,47	1540603,32
4	1072295,51	1541241,13
5	1071922,20	1541796,52
6	1071588,60	1542685,14
7	1071403,75	1543487,56
8	1059347,71	1543233,35
9	1059863,78	1541839,96
10	1060524,07	1540057,15
11	1060983,10	1537775,02
12	1061369,33	1535362,52
DELIMITATION OF THE MARGINAL POLLUTION SOURCE – AREA — LA JAGUA — PST		
VERTEX	EAST	NORTH
13	1061622,80	1533297,17
14	1061830,16	1531845,65
15	1062054,52	1530270,65
16	1062144,63	1529494,38
17	1062431,94	1527019,41
18	1066657,66	1529619,64
19	1062876,10	1533958,54
20	1068963,32	1535745,32
21	1070199,23	1537210,10
1	1071408,15	1538660,81

5. Medium Pollution Area – Class II, for Particulate Matter of a size smaller than 10 microns – (PM10) comprised by the area of influence of the air quality monitoring station located on the coal road in the municipality of La Jagua de Ibirico, which goes all the way to the area of the sources that increase the contribution of particulate matter on the aforementioned human settlements. The delimitation of the area is presented in Bogotá Magna – Sirgas Coordinates in the following table (See Attachment No. 2).

DELIMITATION OF THE MEDIUM POLLUTION SOURCE – AREA — LA JAGUA VÍA — PM10

DELIMITATION OF THE MEDIUM POLLUTION SOURCE – AREA — LA JAGUA VÍA — PM10		
VERTEX	EAST	NORTH
1	1083596,49	1550142,56
2	1083583,86	1550127,06
3	1083553,84	1550090,77
4	1083506,20	1550033,66
5	1083452,05	1549969,08
6	1083381,76	1549888,43
7	1083294,17	1549793,55
8	1083191,41	1549691,41
9	1083085,64	1549595,24
10	1082987,75	1549512,94
11	1082929,76	1549466,66

12	1082884,50	1549431,61
13	1082837,18	1549395,49
14	1082790,93	1549361,25
15	1082750,48	1549331,47
16	1082711,31	1549302,94
17	1082673,46	1549275,31
18	1082634,05	1549246,64
19	1082597,42	1549219,96
20	1082563,26	1549194,83
21	1082527,16	1549168,01
22	1082491,81	1549141,55
23	1082555,20	1549113,76
24	1082413,41	1549081,82
25	1082371,43	1549049,63
26	1082325,85	1549014,36
27	1082276,87	1548976,62
28	1082227,41	1548938,40
29	1082178,48	1548900,64
30	1082124,36	1548858,80
31	1082068,09	1548815,61
32	1082012,66	1548773,22
33	1081956,03	1548730,08
34	1081898,42	1548686,44
35	1081841,10	1548643,28
36	1081782,73	1548599,53
37	1081724,12	1548556,03
38	1081665,71	1548512,96
39	1081604,35	1548468,19
40	1081543,53	1548424,55
41	1081483,08	1548381,66
42	1081417,65	1548336,13
43	1081350,64	1548290,78
44	1081282,24	1548245,77
45	1081210,79	1548200,42
46	1081135,78	1548154,75
47	1081064,99	1548113,83
48	1080996,29	1548075,53
49	1080926,04	1548038,37
50	1080863,42	1548006,70
51	1080727,02	1547940,18
52	1080605,99	1547885,52
53	1080571,06	1547869,86
54	1080534,20	1547853,38
55	1080489,01	1547833,41
DELIMITATION OF THE MEDIUM POLLUTION SOURCE – AREA — LA JAGUA VÍA — PM10		
VERTEX	EAST	NORTH
56	1080445,21	1547814,57
57	1080401,26	1547795,76
58	1079826,20	1547555,81

59	*1077802,69*	*1548956,70*
60	1079639,36	1552570,99
61	1081423,29	1551821,74
62	1081807,84	1551665,60
63	1082288,94	1551394,50
64	1082732,83	1551072,73
65	1083121,15	1550717,42
66	1083466,25	1550307,77
1	1083596,49	1550142,56

6. Moderate Pollution Area – Class III, for Particulate Matter of a size smaller than 10 microns – (PM10) comprised by the area of influence of the air quality monitoring stations located on the inhabited area of Plan Bonito (municipality of El Paso), which goes all the way to the area of the sources that increase the contribution of particulate matter on the aforementioned human settlements. The delimitation of the area is presented in Bogotá Magna – Sirgas Coordinates in the following table (See Attachment No. 2)

DELIMITATION OF THE MODERATE POLLUTION SOURCE – AREA — PLAN BONITO

DELIMITATION OF THE MODERATE POLLUTION SOURCE – AREA — PLAN BONITO		
VERTEX	EAST	NORTH
1	1071400,00	1553504,91
2	1070054,04	1553267,09
3	1068301,43	1553621,79
4	1066607,00	1554673,69
5	1065210,38	1555307,43
6	1062454,51	1556061,79
7	1062454,51	1560112,05
8	1065028,25	1559555,76
9	1067540,82	1558672,21
10	1070021,64	1557303,31
11	1070021,64	1557303,31
12	1071874,66	1557712,80
13	1076118,74	1554999,48
14	1079639,36	1552570,99
15	1077802,69	1548956,70
1	1071400,00	1553504,91

7. Marginal Pollution Area – Class IV, for Particulate Matter of a size smaller than 10 microns – (PM10) comprised by the area of influence of the air quality monitoring stations located in the municipality of La Jagua de Ibirico ad the settlement of El Hatillo (municipality of El Paso), La Loma (municipality of El Paso), Rincón Hondo (municipality of Chiriguaná) and Palmitas (municipality of La Jagua de Ibirico) which goes all the way to the area of the sources that increase the contribution of particulate matter on the aforementioned human settlements. The delimitation of the area is presented in Bogotá Magna – Sirgas Coordinates in the following table (See Attachment No. 2):

DELIMITATION OF THE MARGINAL POLLUTION SOURCE – AREA — LA JAGUA, EL HATILLO, LA LOMA, RINCON HONDO, LA AURORA, BOQUERÓN AND PALMITAS — PM10

DELIMITATION OF THE MARGINAL POLLUTION SOURCE – AREA — LA JAGUA, EL HATILLO, LA LOMA, RINCON HONDO, LA AURORA, BOQUERÓN AND PALMITAS —

PM10		
VERTEX	EAST	NORTH
1	1079826,20	1547555,81
2	1080401,26	1547795,76
3	1080445,21	1547814,57
4	1080489,01	1547833,41
5	1080534,20	1547853,38
6	1080571,06	1547869,86
7	1080605,99	1547885,52
8	1080727,02	1547940,18
9	1080863,42	1548006,70
10	1080926,04	1548038,37
11	1080996,29	1548075,53
12	1081064,99	1548113,83
13	1081135,78	1548154,75
14	1081210.79	1548200,42
15	1081282,24	1548245,77
16	1081350,64	1548290,78
17	1081417,65	1548336,13
18	1081483,08	1548381,66
19	1081543,53	1548424,55
20	1081604,35	1548468,19
21	1081665,71	1548512,96
22	1081724,12	1548556,03
23	1081782,73	1548599,53
DELIMITATION OF THE MARGINAL POLLUTION SOURCE – AREA — LA JAGUA, EL HATILLO, LA LOMA, RINCON HONDO, LA AURORA, BOQUERÓN AND PALMITAS — PM10		
VERTEX	EAST	NORTH
24	1081841,10	1548643,28
25	1081898,42	1548686,44
26	1081956,03	1548730,08
27	1082012,66	1548773,22
28	1082068,09	1548815,61
29	1082124,36	1548858,80
30	1082178,48	1548900,64
31	1082227,41	1548938,40
32	1082276,87	1548976,62
33	1082325,85	1549014,36
34	1082371,43	1549049,63
35	1082413,41	1549081,82
36	1082455,20	1549113,76
37	1082491,81	1549141,55
38	1082527,16	1549168,01
39	1082563,26	1549194,83
40	1082597,42	1549219,96
41	1082634,05	1549246,64
42	1082673,46	1549275,31
43	1082711,31	1549302,94
44	1082750,48	1549331,47

45	1082790,93	1549361,25
46	1082837,18	1549395,49
47	1082884,50	1549431,61
48	1082929,76	1549466,66
49	1082987,75	1549512,94
50	1083085,64	1549595,24
51	1083191,41	1549691,41
52	1083294,17	1549793,55
53	1083381,76	1549888,43
54	1083452,05	1549969,08
55	1083506,20	1550033,66
56	1083553,84	1550090,77
57	1083583,86	1550127,06
58	1083596,49	1550142,56
59	1083466,25	1550307,77
60	1083121,15	1550712,42
61	1082732,83	1551072,73
62	1083288,94	1551394,50
63	1083807,84	1551665,60
64	1083423,29	1551821,74
65	1083820,94	1553892,84
66	1084424,17	1553557,71
67	1084882,22	1553899,74
68	1085184,55	1557000,00
69	1086731,33	1557000,00
70	1088170,93	1557000,00
71	1091376,13	1557000,00
72	1092896,08	1553019,66
73	1092821,78	1552822,52
74	1093216,88	1552750,38
75	1091898,27	1549686,23
76	1091984,44	1549543,38
77	1092271,86	1548272,67
78	1091310,00	1546686,05
79	1091310,00	1546212,97
80	1085876,94	1542570,55
81	1085843,22	1544504,20
82	1082683,75	1546532,24
83	1083596,67	1547439,96
84	1082597,90	1548007,26
85	1081820,32	1547787,19
86	1081820,32	1547787,19
87	1081820,32	1547787,19
88	1080167,62	1547319,44
89	1080164,60	1547321,53
90	1080167,62	1547319,44
91	1079260,93	1547062,84
92	1078954,09	1546225,98
93	1078604,65	1544828,23
94	1077790,02	1543198,98

95	1074044.00	1540654,52
96	1072866,47	1540603,32
97	1072157,19	1540065,24
98	1071409,15	1538660,81
DELIMITATION OF THE MARGINAL POLLUTION SOURCE – AREA — LA JAGUA, EL HATILLO, LA LOMA, RINCON HONDO, LA AURORA, BOQUERÓN AND PALMITAS — PM10		
VERTEX	EAST	NORTH
99	1070199,23	1537210,10
100	1068963,32	1535745,32
101	1068276,10	1533958,54
102	1066657,66	1529619,64
103	1062431,94	1527019,41
104	1060970,65	1526340,55
105	1058929,77	1525852,14
106	1058545,76	1525807,51
107	1058084,52	1529780,82
108	1056841,22	1538483,91
109	1054303,13	1545336,75
110	1050844,94	1550859,54
111	1048548,20	1554119,43
112	1048548,20	1554119,43
113	1048017,56	1554593,63
114	1051059,90	1557745,39
115	1055166,80	1562000,00
116	1059350,00	1562000,00
117	1059350,00	1562000,00
118	1059350,00	1565000,00
119	1060510,00	1565000,00
120	1060510,00	1568000,00
121	1072600,00	1568000,00
122	1072600,00	1560000,00
123	1070000,00	1560000,00
124	1070021,64	1557303,31
125	1070021,64	1557303,31
126	1067540,82	1558672,21
127	1065028,25	1559555,76
128	1062454,51	1560112,05
129	1062454,51	1556061,79
130	1065210,38	1555307,43
131	1066607,00	1554673,69
132	1068301,43	1553621,79
133	1070054,04	1553267,09
134	1070021,64	1557303,31
135	1071874,66	1557712,80
136	1076118,74	1554999,48
137	1079639,36	1552570,99
138	1077802,69	1548956,70
1	1079826,20	1547555,81

Paragraph: The delimitation of the areas – source of pollution classified as high, medium, moderate or marginal may be redefined or adjusted based on the results of the model of dispersion of particulate matter specified in the twelfth article of Resolution No. 2176 of the 11th of December of 2007 as amended, added or replaced from time to time, or by the results of the air quality monitoring network.

Article 2 – The establishment of new sources of emission of particulate matter in areas – source of pollution classified as high is hereby suspended.

Article 3 – It will not be possible to authorize the functioning of new sources of emission susceptible of causing emissions into the atmosphere, in areas – source classified as medium, moderate or marginal in which the discharges of pollutants into the air emitted by the fixed sources already in place, produce, in the aggregate, concentrations higher than those established in Resolution 601 of 2006, as amended by Resolution 610 of 2010, as amended or replaced from time to time, according to the provisions of Article 21 of Decree 948 of 1995.

Article 4 – for the purposes of obtaining the environmental licenses and permits, any new source of emission of particulate matter intended to be placed in the areas – source of pollution classified as medium, moderate or marginal in which the conditions set forth in the third article of this resolution are not met, must consider the air quality levels that exist in the area – source of pollution and the Program for the Reduction of Pollution established in Resolution No. 2176 of the 11th of December of 2007, as amended, added to or replaced from time to time.

In addition, any new source of emission of particulate matter must demonstrate, with technical supports, the capacity of the area to receive the quantity of emission of the new source and of maintaining within the maximum limits allowable established by the regulations in force. The capacity of the Area to receive the new polluting emission will be verified with the historic air quality records and the regional modeling of the zone.

Article 5 – To communicate the contents of this Resolution to the Ministry of Mines and Energy, to the Colombian Mining and Geology Institute – Ingeominas, to the Regional Autonomous Corporation of Cesar – Corpocesar, to the Delegate of the Attorney General for Environmental and Agricultural Issues, to the Office of the Governor of the Department of Cesar, to the mayors of the municipalities of La Jagua de Ibirico, El Paso, Chiriguaná and Becerril, and to the mining companies located within the Areas – source of pollution classified according to this administrative decision for their information and other relevant purposes.

Article 6 – This resolution is in force as of the date of its publication in the Official Gazette and repeals the provisions that are contrary to it, in particular the provisions of Resolution Number 1732 of the 8th of September of 2010.

To be communicated, published and complied with

Given in Bogotá, on the 22nd of December of 2011

The Minister of the Environment and Sustainable Development,

Frank Pearl

REPUBLIC OF COLOMBIA
Ministry of the Environment, Housing and Territorial Development

RESOLUTION NUMBER
(0970)

20 MAY 2010

"WHEREBY ESTABLISHES THE PARTICIPATION OF THE COMPANIES DRUMMOND LTD., PRODECO S. A., COMPAÑÍA CARBONES DEL CESAR, CURRENTLY SOCIEDAD COLOMBIAN NATURAL RESOURCES I SAS AND EMCARBON S. A., CURRENTLY VALE COAL COLOMBIA LTD COLOMBIA BRANCH, IN THE PROCESS OF RELOCATION OF THE COMMUNITIES LOCATED IN THE AREA OF INFLUENCE OF THE MINING EXPLOITATION CARRIED OUT BY THESE COMPANIES IN THE DEPARTMENT OF CESAR AND OTHER DECISIONS ARE MADE"

THE MINISTER OF THE ENVIRONMENT, HOUSING AND TERRITORIAL DEVELOPMENT

Pursuant to his legal powers, in particular those established in sections 10 and 14 of Article 5 of Law 99 of 1993, based on the provisions of Section 2 of Article 52 of Law 99 of 1993, Article 26 of Decree 1220 of 2005 and according to the provisions of 92 and 9.3 of the third article of Resolution 0895 of 25 May 2007, as amended by Section 16 of the eleventh article of Resolution No. 0464 dated 06 March 2009, Sections 1.1 and 1.2 of the tenth article of Resolution 0414 of 11 March of 2008, as amended by the third article of Resolution Number 1343 of 30 July 2008, and

WITNESSETH

(...)

Technical Aspects

Regional Issues

The Ministry of the Environment, Housing and Territorial Development, aware of the environmental problems existing in the mining area of the Department of Cesar, has been enacting a number of governmental decisions with the purpose of reducing the air pollution levels in the zone by means of the enforcement of environmental measures aimed to the attenuation of the emission generated, which has allowed to reduce the levels of pollution in some of the zones affected by the mining activity; however in other ones these levels have not presented amendments of importance or have increased.

That is why based on the air quality monitoring made in year 2006 by CORPOCESAR within the framework of Agreement Number 19 – 700110 2005 Air Quality Study in Urban and Mining Zones of the Department of Cesar Phase 1 Diagnosis and Design of Monitoring Networks entered into by CORPOCESAR and the firm K2 INGENIERIA and those obtained in network operated by the company Drummond in the Pribbenow Mine for the same year, this Ministry, in Resolution 386 of 7 March 2007, classified as area source of medium and moderate pollution the mining zone of the *department of Cesar, based on Decree 979 of 3 April 2006 that amended articles 7, 10, 93 and 108 of Decree 948 of 1995.*

Afterwards, Resolution 2176 was enacted on 11 December 2007, which establishes the program for the reduction of the pollution of the areas source of pollution classified in the Cesar coaler area.

In order to evaluate whether or not to maintain the condition of the area – source of pollution in the mining area of the Department of Cesar, an assessment of the environmental conditions thereof was made, and, based on the results of the air quality network, in resolution 412 dated 10 March 2008, the Areas Source of Pollution classified in Cesar's coaler area are reclassified.

Following with the obligation to annually review the conditions to maintain, reclassify or delete the area source classification, established in the fourth article of Resolution 2176 of 2007, this ministry issued Resolution 1560 on 13 August 2009, that repeals resolution 412 of 2008 and reclassifies the areas source of pollution in Cesar's coaler area, based on the results obtained in the regional air quality network.

The air quality network reports the following average geometric concentrations for Total Suspended Particles (PST) and arithmetic average for particles of less than 10 microns (10 PM).

Table 2 – Air Quality Results

Station	April – Dec - 2007		Jan – Dec - 2008		Jan – Dec - 2009	
	PST μg / m^3	PM10 μg / m^3	PST μg / m^3	PM10 μg / m^3	PST μg / m^3	PM10 μg / m^3
La Loma Centro (ZM1)	165.13	33.1	124.82	41.62	104.89	39.29
La Jagua Centro (ZM2)	58.48	32.18	46.40	29.53	77.45	36.80
La Loma 2 (ZM3)	-	-	65.10	-	99.18	60.57
La Palmita (ZM4)	-	-	-	35.92	-	33.44
La Aurora (ZM5)	59.01	18.14	57.04	39.32	58.69	31.96
Boquerón (ZM6)	116.91	-	85.93	-	96.03	-
Plan Bonito Norte (ZM7)	185.92	54.66	226.72	101.98	191.94	98.76
La Jagua Via (ZM9)	91.87	71.04	130.48	97.30	144.24	84.28
Rincon Hondo (ZM12)	61.29	23.37	79.77	34.21	67.76	35.18
El Hatillo (ZM13)	27.61	-	72.95	-	78.40	35.51

Source: Air Quality Network Mining Zone, Department of Cesar

Bearing the average results obtained in mind, it can be seen that the settlements that have been suffering more problems de to the atmospheric pollution are Plan Bonito, La Loma, Boquerón El Hatillo and La Jagua Road, and therefore it is safe to conclude that the mining area of the department of Cesar presents high pollution indexes that can affect the health of the population settled in the area of influence of the mining exploitations.

Based on the growth outlook of the mining companies that operate in the mining zone of the Department of Cesar, it is expected that the concentrations of particulate matter on the settlements that are located in this area will increase, as can be seen in table 3, that shows the results of the *dispersion model applied for the production expected by the companies that operate in the mining zone. It is because of this and of the obligation that the state has to protect the health and the wellbeing of the people that this Ministry considers that the settlements that according to the current pollution index and the future forecast are and will be affected by the mining operations must be relocated.*

Table 3 – Results of the PST Dispersion Model

Sensible Receptor	Concentration 2010 (µg / m^3)
ZM1 –La Loma	97.12
ZM2 – Jagua Centro	80.31
ZM3 – La Loma 2	86.52
ZM4 – Palmitas	51.12
ZM5 – La Aurora	61.59
ZM6 – Boquerón	109.87
ZM7 – Plan Bonito	194.18
ZT9 – Jagua via	410.21
ZM12 – Rincon Hondo	43.92
ZM13 – El Hatillo	110.04

Source: Updating of the air quality modeling for the coaler zone of the Department of Cesar – December of 2009

That is why through the different governmental decisions that have established Management Plans and granted Environmental Licenses to the companies that operate in Cesar's mining zone, we have imposed the obligation to relocate the people that will be worse affected by the atmospheric pollution generated by the emission of particulate matter. According to the evaluation made earlier regarding the quality of the air, the settlements to be relocated are Plan Bonito, Boquerón and El Hatillo, being more urgent that of plan Bonito, considering the pollution ratios that it already has, reporting for year 2009 average annual concentrations for Total Suspended Particles (PST) of 191 µg / m^3 *and of 98.76 µg /* m^3 *for PM10, figures that are above the standard established by Resolution 601 of 2006 and that have a tendency to go up, which is supported in the results of the dispersion model carried out by the ITESM.*

Likewise, the settlements of Boquerón and El Hatillo evidence an increase in their concentrations for year 2009 versus the preceding years according to the data reported by the air quality network (see table 2). In addition, bearing in mind the projection made for year 210 applying the air quality model, one can observe an upward trend in the concentrations. See table 3. Besides, based on the calculation of the Pearson Coefficient presented in the annual air quality report of the air monitoring network of the coaler area of Cesar for year 2009, it shows a correlation of PST and PM10 between 0.6 and 0.9, which evidences a linear relationship between the two variables, indicating that it would exist a gradual increase of PM10 in respect of the PST. According to the foregoing, for year 2010 it is expected an increase of the concentrations of PM 10 according to the upward behavior in the concentrations of PST for these two settlements, which implies a high risk for the health of its inhabitants due to the prolonged exposure to the existing pollution levels.

Reviewing the area source of pollution established in resolution 1560 of 2009, it was determined that for the area of influence of Boquerón there is a considerable increase of the percentage of the *exceedance of the annual standard, passing from a rating of Moderate to Medium, indicating that, as well as the settlement of Plan Bonito, it is necessary to hasten its resettlement.*

For the settlement of El Hatillo, although the classification of area source remains as moderate, the percentages of exceedance for the last year have gone up and added to the increase of the concentrations based on the forecast made for 2010, it is expected that in this area there will be an increase of the classification with the consequent impact on the quality of life and the health of its inhabitants".

Whereas, regarding the settlements of La Loma and La Jagua, before implementing a relocation plan, this ministry shall enforce measures aimed to the reduction of the pollution, taking into account the economic, social and cultural conditions of the aforementioned urban centers, following the guidelines established by the World Bank regarding involuntary settlement. In this regard, the Technical Opinion 0558 of 08 April 2010 stated:

"Likewise, within the coaler area of the center of Cesar, the urban centers of the municipality of La Jagua de Ibirico, on the foot hills, and o the administrative division of La Loma, on the flat lands, are the urban settlements with the largest human density and where there are considerable levels of atmospheric pollution, according to the results produced by the air quality monitoring network.

Being located on the Caribbean Trunk Road and the so called Coal Road, and thanks to its location close to the mining exploitations that take place on the flat lands, the settlement of the administrative division of La Loma is an area of a high concentration of people, that provides primary and secondary services to that industry, which has led to the development of a moderately consolidated public and social infrastructure.

In addition, it is in jurisdiction of the municipality of El Paso (it is its largest administrative divisions) and its dynamics has repercussions not only at a local level but it also has impact at the level of the municipality and that is why it has became the center of the economic enclave of the region, construing it as an area where a set of activities are developed around a base economic activity, mining in this case, and where particular revenues are generated, whose value and potential are reflected in the economies of the regional level.

The municipality of La Jagua, located in the foot hills of the Los Motilones Range on the Eastern Trunk Road, which has propitiated its development on both sides of it, but with a greater development in the south eastern direction, zone that currently evidences signs of consolidation and level of development.

Economically, the municipality has experienced several booms during the last decades. On top of the traditional agricultural activities, (cocoa, sugar cane, coffee, fruit trees and other crops), the zone hosts technical plantations mainly of rice but also of corn and sorghum.

(...)

By virtue of the foregoing,

DECIDES

FIRST ARTICLE – To impose on the companies DRUMMOND LTD., C. I. PRODECO S. A., COMPAÑÍA CARBONES DEL CESAR, currently SOCIEDAD COLOMBIAN NATURAL RESOURCES I SAS and EMCARBON S. A., currently VALE COAL COLOMBIA LTD COLOMBIA BRANCH, the performance obligation to relocate the current settlements of Plan Bonito, in the term of one (1) year and the settlements of El Hatillo and Boquerón in the term of two (2) years after the date of firmness of this governmental decision, according to the proportionality and other conditions set forth below.

(...)

TENTH ARTICLE – For the case of the settled areas of La Loma and La Jagua the companies DRUMMOND LTD., C. I. PRODECO S. A., COMPAÑÍA CARBONES DEL CESAR, currently SOCIEDAD COLOMBIAN NATURAL RESOURCES I SAS and EMCARBON S. A., currently VALE COAL COLOMBIA LTD COLOMBIA BRANCH shall be required to comply with the Program for the Reduction of the Pollution for the Areas Source of Pollution classified in Cesar's coaler area.

The Program for the Reduction of the Pollution for the Areas Source of Pollution classified in Cesar's coaler area include, among other things, the measures to reduce the emission of particulate matter on the settlement, to include actions aimed to reinforce and improve the air quality monitoring, to control the entry of new emission sources, to discourage, on the part of the Municipal Mayors' Offices the expansion of the settled areas, to adjust and review the territorial zoning plans and schemes, among other things.

PARAGRAPH – Annually, the Ministry of the Environment, Housing and Territorial Development shall evaluate the condition of the Area Source of Pollution, as well as the effectiveness of the measures established in the aforementioned Program for the Reduction of the Pollution for the Areas Source of Pollution classified in Cesar's coaler area, in order to determine the need to include additional measures and, if such is the case, the pertinence of implementing the Relocation Action Plan for said settlements.

(...)

CARLOS COSTA POSADA
Minister of the Environment, housing and Territorial Development

REPUBLIC OF COLOMBIA
Ministry of the Environment, Housing and Territorial Development

RESOLUTION NUMBER
(1525)

5 August 2010

"WHEREBY THE REVERSAL APPEALS FILED AGAINST RESOLUTION No. 0970 OF THE 20th OF MAY OF 2010 ARE DECIDED"

THE MINISTER OF THE ENVIRONMENT, HOUSING AND TERRITORIAL DEVELOPMENT

Pursuant to his legal powers, in particular those established in sections 10 and 14 of Article 5 of Law 99 of 1993, based on the provisions of Section 2 of Article 52 of Law 99 of 1993, Article 26 of Decree 1220 of 2005 and according to the provisions of 92 and 9.3 of the third article of Resolution 0895 of 25 May 2007, as amended by Section 16 of the eleventh article of Resolution No. 0464 dated 06 March 2009, Sections 1.1 and 1.2 of the tenth article of Resolution 0414 of 11 March of 2008, as amended by the third article of Resolution Number 1343 of 30 July 2008, and

(...)

DECIDES

FIRST ARTICLE – To replace in the sense to amend the SECOND ARTICLE OF Resolution No. 0970 of the 20th of May of 2010 which shall now read as follows:

"***SECOND ARTICLE*** *– The costs of the relocation process shall be in the charge of the companies DRUMMOND LTD., C. I. PRODECO S. A., COMPAÑÍA CARBONES DEL CESAR, currently SOCIEDAD COLOMBIAN NATURAL RESOURCES I SAS and EMCARBON S. A., currently VALE COAL COLOMBIA LTD COLOMBIA BRANCH, according to the following percentage distribution per mining project:*

Company	***Mine***	***Plan Bonito %***	***Boquerón %***	***El Hatillo %***
Drummond Ltd	*Pribbenow (La Loma)*	*39,11*	*58,94*	*39,30*
Drummond Ltd	*El Descanso*	*8,04*	*9,45*	*13,02*
C. I. Prodeco S. A.	*Calenturitas*	*39,81*	*22,63*	*8,65*
Colombian Natural Resources I SAS	*La Francia*	*7,81*	*5,34*	*27,81*
Vale Coal Colombia, Colombia Branch	*El Hatillo*	*5,16*	*3,64*	*11,22*
TOTAL		***100***	***100***	***100***

SECOND ARTICLE – To replace in the sense to amend the FOURTH ARTICLE OF Resolution No. 0970 of the 20th of May of 2010, which shall now read as follows

"***FOURTH ARTICLE** – The resettlement subject of this governmental decision must bear in mind, among other things, the Operational Policies (OP 4. 12 of 2001) developed by the World Bank on involuntary relocation, as well as those issued in this regard by the Inter – American Development Bank – BID and it primarily must provide and ensure the conditions to improve the living conditions, the productive capacity and the income of the populations to be resettled, in a way that it allows them the exercise of their economic and social activities.*

Said process must be carried out under the following parameters:

1. *For the formulation and execution of the relocation plan, the companies DRUMMOND LTD., C. I. PRODECO S. A., COMPAÑÍA CARBONES DEL CESAR, currently SOCIEDAD COLOMBIAN NATURAL RESOURCES I SAS and EMCARBON S. A., currently VALE COAL COLOMBIA LTD COLOMBIA BRANCH, within one month from the date in which this resolution is firm, must have a well – known entity with a proven record and experience in these processes, which must at least meet the following suitability features:*

1.1. *Minimum three (3) years' experience in relocation processes for development projects.*

1.2. *To have carried out resettlement processes under the guidelines of international bodies such as the World Bank – WB and the Inter – American Development Bank – BID.*

1.3. *To have an inter – disciplinary team in the social, physical and legal areas with experience in relocation processes, which must be able to develop the guidelines and activities developed in the Relocation Action Plan – PAR (for its Spanish initials)*

Among other things, the operator must provide the information required for the companies to proceed to establish the trust fund or another mechanism adopted for the funding of the relocation.

2. *The companies mentioned in the preceding item, within four (4) months of the date in which this governmental decision is firm, must opt between entering into an irrevocable management trust agreement or another mechanism that similar offers guarantees and benefits regarding the management of the funds, pursuant to the principles of transparency and objectiveness in order to create a trust fund whose funds shall be used to fund the relocation process, to which they shall be obligated and of which they are responsible.*

   The irrevocable management trust agreement or the suitable mechanism adopted shall be the vehicle for the management of the resources for the formulation and execution of the relocation of the communities mentioned in this governmental decision, for which the relevant contract shall establish the actual contracting mechanisms of the entity that by mandate of the companies shall discharge the obligation of results of the resettlement.

2.1. *If they opt for establishing a trust fund, it must be managed by a trust manager legally incorporated, authorized to operate in Colombia by the Financial Superintendent to operate in Colombia. If they opt for a different management mechanism, the holders of this obligation must file with the MAVDT the management scheme proposed so it can be known and approved by it.*

2.2. *Each one of the aforementioned companies must contribute the corresponding resources for the creation of the trust fund that guarantees the total funding of the relocation process,* *according to the proportionality criteria determined in the second article of this Governmental Decision.*

3. *Likewise, and through an irrevocable management trust or the other mechanism adopted for the management of the funds, it must hire inspectors for the tracking of the work done by the entity retained to carry out the relocation in order to verify the performance or otherwise of the work for which they were hired, according to the Relocation Action Plan – PAR to be filed with the Ministry and that must be previously approved by said inspectors.*

   Said entity must meet at least with the following suitability requirements:

3.1. *Minimum Experience of five (5) years in relocation processes.*

3.2. *To have carried out resettlement processes under the guidelines of international bodies such as the World Bank – WB and the Inter – American Development Bank – BID.*

3.3. *To have a primary team capable of making social, physical and legal inspections.*

4. *In order to determine the population to be relocated, the entity in charge of carrying out the relocation must make a census no later than four (4) months after the date in which this resolution is firm, for which they must be accompanied by the Public Defense Office (Defensoría del Pueblo) and the municipal authorities. Said census must be registered with the Offices of the mayors of the municipalities of El Paso and La Jagua de Ibirico and it shall be the basis for the respective resettlement process.*

5. *No later than six (6) months after the date in which this resolution is firm, the companies must lodge with this Ministry the Relocation Plan, which must specify the goals, objectives, procedures and the schedule to be applied to relocate the populations set forth in the first article of this governmental decision, seeing to the maximum terms therein established.*

5.1. *The relocation plan subject of this article must consider the following minimum scheme:*

5.1.1 *Diagnosis of the Current Situation*

5.1.1.1. *Characterization of the Settlements*

- *a) Plane of location*
- *b) Study of title and deeds*
- *c) Appraisal of the existing property*
- *d) Analysis of the provisions set forth in the Zoning Regulations (POT) in force*
- *e) City furnishings*
- *f) Socio – economic diagnosis of the population*
- *g) Census of the population affected*

Variables to be considered: Spatial, physical – demographic, economic, social, cultural.

5.1.1.2. *Regional Analysis*

Considering the magnitude of the mining activity, this part of the document must include an analysis of the zone in which the activity takes place, establishing the elements that condition the territory (socio – economic, environmental, spatial, landscape, infrastructure, mining activity, other economic activities).

5.1.2 *Determination of impacts*

To make a balance as a function of the analysis made on the social and territory impacts generated because of the relocation.

5.1.3 *Analysis and selection of relocation alternatives*

5.1.3.1. In this stage it is important to have the consensus of the people and of the municipal government.

5.1.3.2. It is necessary to determine, at least, the formulation of three alternative locations for the relocation and the technical elements for the selection of the best alternative must be defined. The latter paying attention at least to: i) the threats and risks' analysis; ii) the uses of the land; iii) the possibility to provide public utilities; iv) economic and cultural issues.

5.1.3.3. In the process of determining the location to make the relocation, efforts will be made so the new site will not be the subject of mining activity in the future.

5.1.3.4. The territorial organization instrument in force must be analyzed to determine the uses of the land, defined for the areas previously selected, in order to determine the possibilities to carry out the relocation based on the provisions therein contained (classification of the soil, use of the land accordingly and densities, and other issues).

This aspect is of a paramount importance before purchasing the properties to discharge the obligation.

5.1.4 *Relocation Proposals*

This part proposes the best solution to make the resettlement in an integral manner.

The specific activities to develop the Relocation Plan are concretized in the Relocation Action Plan, contemplating the following:

5.1.4.1. To make a schedule of activities contemplating all the actions of development, construction and transfer of the people.

5.1.4.2. To bear in mind all the proceedings of plotting or development and construction licenses required. This process is a prerequisite of the relocation.

5.1.4.3. It is necessary to carry out the urban planning works (water works, sewage, roads, power).

5.1.4.4. To establish and furnish the public spaces (parks, green zones, roads)

5.1.4.5. It is necessary to define the strategies to purchase the properties and the improvements in which the persons to be relocated actually live, in the terms of article 56 of Law 9 of 1989.

5.1.4.6. It is necessary to do complete all legal proceedings to convey the public areas to the municipality, free of charge.

5.1.4.7. It is necessary to determine the ownership of the land released after the relocation and to define which will be the use thereof and the measures to prevent them to be occupied once again. These must be coordinated between the municipalities and the miners.

5.2. *On top of the foregoing, the Relocation Plan must consider, among other things, the guidelines set forth in the Operational Policies (OP 4. 12 of 2001) developed on the subject matter of involuntary resettlement by the World Bank and / or the Inter – American Development Bank – BID.*

5.3. *The relocation of the villages must be carried out bearing at least the following guidelines in mind:*

5.3.1. Of a general nature:

5.3.1.1. To apply a participation methodology that is wide and democratic and therefore that allows to build, in a collective manner, the best alternatives for the solution of the relocation, respecting the self – determination of the communities to make their own decisions.

5.3.1.2. To propitiate an improvement of the quality of life, allowing to give options to all the settlers and families involved in the relocation process.

5.3.1.3. To give technical, social and economic assistance to the communities in order to achieve the reestablishment and / or improvement of their productive activities and of their living conditions.

5.3.1.4. Legal and psycho – social assistance to the population to be relocated, with more emphasis in women that are the main earners of their homes and in the most vulnerable groups.

5.3.1.5. To guaranty that at the end of the resettlement process, the populations that are the beneficiaries of the program receive the title of the properties on which they were relocated. To have a clear policy of permanent accompanying required to consolidate the new relationships with the territory, with the environment and with all the projects that will be designed to reestablish and improve the quality of life of the populations to be resettled.

5.3.1.6. To allow the independent supervision and oversight to do the follow up of the relocation in an independent manner.

5.3.1.7. For the case of processes of negotiation in subdivisions of land and / or "common plains" all proceedings must be made with the participation of the communities and as required before the Colombian Institute of Rural Development – INCODER.

5.3.2. Regarding the place of the relocation:

5.3.2.1. Whenever possible, the location of the new settlements shall be made in the jurisdiction of the same municipality, preferably close to the current place of residence and close to the urban areas of the municipalities or inhabited centers.

5.3.2.2. The place of the relocation must have lands that are adequate for the reestablishment of the means of subsistence of the communities and the implementation of productive projects, utilities and social services, natural water sources, adequate access roads, connection with the existing physical infrastructure in the zone.

5.3.2.3. These sites must not be located in restricted zones, or in mining concession zones, in protected areas or in zones of geological, geotechnical, environmental or social risks that could endanger the new settlement.

5.3.3. Regarding the regional and local planning instruments:

5.3.3.1. To consider the planning elements and environmental and mining zoning of the region.

5.3.3.2. To articulate the relocation proposal with the municipal territorial zoning instruments, as well as with the municipal and departmental development plans, as pertinent.

6. *The Relocation Action Plan – PAR (for its Spanish initials) must contain key performance indicators allowing to make an ex – post assessment of the relocation with the participation of each one of the resettled communities through the analysis of results and to implement the relevant corrective measures.*

PARAGRAPH: *For the purposes of this governmental decision, the cutoff date for the purposes of making the population census is the date of enactment of Resolution 970 of the 20th of May of 2010."*

THIRD ARTICLE – To replace in the sense to amend the FIFTH ARTICLE OF Resolution No. 0970 of the 20th of May of 2010 which shall now read as follows:

"***FIFTH ARTICLE*** *– Until the relocation of the villages of Plan Bonito, el Hatillo and Boquerón is completed, the companies DRUMMOND LTD., C. I. PRODECO S. A., COMPAÑÍA CARBONES DEL CESAR, currently SOCIEDAD COLOMBIAN NATURAL RESOURCES I SAS and EMCARBON S. A., currently VALE COAL COLOMBIA LTD COLOMBIA BRANCH, pursuant to the social component of their Environmental Management Plans, must seek to improve, in coordination with the territorial entities, the quality of life of the populations to be relocated until such relocation is completed."*

FOURTH ARTICLE – To replace in the sense to amend the SIXTH ARTICLE OF Resolution No. 0970 of the 20th of May of 2010 which shall now read as follows:

"***SIXTH ARTICLE*** *– The companies mentioned in this governmental decision must proceed to establish an operational committee the duty of which shall be the follow – up of the activities for the resettlement made by the entity retained to do it, which must be made up by:*

1. *The representative of the entity retained to carry out the relocation;*

2. *The representative of the inspector;*
3. *At least one representative of each one of the of the companies holders of the Mining Concessions that have the obligation to complete the relocation;*
4. *Besides, can also attend, as guests, one representative of each one of the communities to be relocated, a delegate of the Governor of Cesar, a delegate of the Public Defense Office, the Director of the Cesar's Regional Autonomous Corporation – CORPOCESAR or his / her delegate, and one representative from the Colombia Rural Development Institute – INCODER.*

PARAGRAPH: *The Committee will decide the proceedings required as a function of the compliance of its environmental relocation obligations. In addition, said Committee shall have the autonomy to define its mode of operation as well as the manner to carry out the verification and follow up of the relocation process".*

(...)

CARLOS COSTA POSADA
THE MINISTER

PSI Submission, Goldman Sachs – 10.20.14
Exhibit B

#	YEAR 2011: INVOICED CUSTOMER	AMOUNT (US$)[1]
1	JP Morgan Chase Bank NA	132,144,116.66
2	Barclays Bank PLC	28,488,136.55
3	Glencore International AG	25,281,747.03
4	Noble Americas Corp	20,831,157.71
5	Red Kite Master Fund Ltd	16,864,821.08
6	Deutsche Bank AG	14,194,855.86
7	Natixis Commodity Markets Ltd	11,238,040.95
8	Trafigura AG	10,525,478.05
9	Macquarie Bank Limited	6,844,468.18
10	Standard Bank London	6,572,502.84

#	YEAR 2012: INVOICED CUSTOMER	AMOUNT (US$)
1	JP Morgan	72,697,004
2	Glencore Limited	57,332,672
3	DB Energy Trading LLC	55,585,102
4	Red Kite Management Ltd.	46,991,344
5	Koch Metals Trading Ltd	41,450,746
6	J. Aron & Company	33,320,124
7	Natixis Commodities Market Ltd	14,926,385
8	Societe Generale/Paris	13,281,966
9	Macquarie Bank Limited	12,850,377
10	Triland Metals	10,489,479

---

[1] Amounts in this column reflect total sales dollars of invoices issued in the respective year identified.

PSI Submission, Goldman Sachs – 10.20.14
Exhibit B

#	YEAR 2013: INVOICED CUSTOMER	AMOUNT (US$)
1	J. Aron & Company	59,990,267.41
2	Glencore Ltd.	56,092,938.57
3	Macquarie Bank Ltd	46,306,131.75
4	JP Morgan Chase Bank NA	40,401,863.22
5	Barclays Bank PLC	38,274,087.44
6	Red Kite Master Fund Limited	32,892,693.40
7	Koch Supply & Trading LP	28,620,042.60
8	Societe Generale/Paris	22,719,584.36
9	Deutsche Bank AG	19,947,361.34
10	Noble Americas Corp.	19,287,702.07

#	YEAR 2014 (THROUGH AUGUST): INVOICED CUSTOMER	AMOUNT (US$)
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		

Redacted By
Permanent Subcommittee on Investigations

UNITED STATES DISTRICT COURT
SOUTHERN DISTRICT OF NEW YORK

IN RE ALUMINUM WAREHOUSING ANTITRUST LITIGATION	MDL No. 2481
This Document Relates To:	Master Docket No. 13-md-2481-KBF-RLE
ALL ACTIONS	

DECLARATION OF MARK BRADLEY IN SUPPORT OF THE LONDON METAL EXCHANGE'S MOTION TO DISMISS ALL COMPLAINTS

I, Mark Brendan Bradley, declare under penalty of perjury that the following is true and correct, to the best of my knowledge, information and belief:

1. I am currently the Head of Market Surveillance at the London Metal Exchange ("LME"). I have been employed by the LME since 2006. Part of my job responsibilities include ensuring that the LME is fulfilling its statutory and regulatory obligations to maintain an orderly market and to afford proper protection to investors on the LME. In connection with this role, I am one of the LME's liaison contacts with the UK's Financial Conduct Authority ("FCA"). I submit this declaration in support of the LME's motion to dismiss based on the Foreign Sovereign Immunities Act, 28 U.S.C. § 1604.

Organization and Structure of the LME

2. The LME is the world center for industrial metals trading and price-risk management. More than 80% of global non-ferrous exchange-traded futures and options contracts business (in tonnes) is conducted on the LME.

3. The LME provides the market with three transparent and regulated platforms for trading industrial metal contracts:

(a) the Ring, which is the LME's open-outcry trading platform;

(b) LMEselect, which is the LME's highly liquid electronic platform for the trading of LME contracts; and

(c) an inter-office telephone market between LME members, which operates 24 hours a day.

4. Since at least 2000, the LME has had five main categories of members which vary in their associated obligations and responsibilities and two further categories:

(a) Ring Dealing Members (category 1). These members have the exclusive right to trade by open outcry in the ring and are entitled to issue LME Client Contracts to their customers. As clearing members, they are permitted to clear trades and, as a result, must be members of LCH.Clearnet Limited (the LME's clearing house).

(b) Associate Broker Clearing Members (category 2). These members are clearing members and are permitted to issue Client Contracts and trade Exchange Contracts. They can trade on the telephone and on LMEselect but not by open outcry in the ring. As clearing members, they are permitted to clear trades and, as a result, must be members of LCH.Clearnet Limited.

(c) Associate Trade Clearing Members (category 3). These members can clear their own trades and, as a result, must be members of LCH.Clearnet Limited but are not permitted to issue Client Contracts.

(d) Associate Non-Clearing Broker Members (category 4). These members are not clearing members but are permitted to issue LME Client Contracts.

(e) Associate Non-Clearing Trade Members (category 5). These members are neither clearing members nor are they permitted to issue LME Client Contracts. Category 5 members are generally involved in the metals markets in some form, and wish to receive LME member notices, participate in LME events, etc.

(f) Individual Members (category 6). Individual members are persons who are not employed by a member company or by a company which could be a member but is not. They consist primarily of individuals who wish to maintain links with the Exchange for business purposes, such as consultants and arbitrators. These members have no trading rights on the Exchange.

(g) Honorary Members (category 7). Honorary membership is conferred on individuals who have given conspicuous service to the Exchange at the discretion of the directors, *e.g.*, former chairmen of the Exchange. These members have no trading rights on the Exchange.

5. J.P. Morgan Securities plc is a Category 1 member. J.P. Morgan Securities plc (formerly JP Morgan Securities Limited) became a Category 1 member following the acquisition of RBS Sempra Commodities in July 2010. Prior to that time it was a Category 2 member.

6. Since 2000, Goldman Sachs International has been a Category 2 member.

7. From 2000 until December 14, 2006, Glencore UK Limited was a Category 3 member. After that time it was a Category 5 member and remains so today.

8. The governance structure of the LME provides for a number of advisory committees (there are currently 28), the majority of which report to the LME Board of Directors either directly or through the LME Executive Committee (EXCOM). EXCOM is itself a sub-committee that reports to the Board.

9. The Board of the LME remains the primary decision making body within the LME.

10. Among the various LME committees are 12 operational committees. These include the metals committees (*e.g.*, Aluminum Committee, Cobalt Committee, Copper Committee, etc.), the Trading Committee, the Ring Dealers Committee, the Traded Options Committee and the Warehousing Committee. The purpose of the operational committees is to make recommendations in accordance with their terms of reference. The LME Board has delegated to EXCOM the initial consideration of those recommendations and the power to give effect to a number of those recommendations.

11. The LME's Warehousing Committee is responsible for, among other things, (a) "[m]aintaining contact with the warehousing industry, trade and trade associations," (b) "[k]eeping EXCOM apprised of relevant issues relating to warehousing, including industry views, changes to industry structures and other appropriate matters," and (c) "[m]aking recommendations to EXCOM on warehousing related policy issues." Warehousing Committee Terms of Reference ("Terms of Reference") ¶ 2.1, a true and correct copy attached as Exhibit A.

12. "Decisions or recommendations of the [Warehousing] Committee shall be decided by a majority of the members of the Committee being in favor." Ex. A, Terms of Reference ¶ 8.3.

13. The Warehousing Committee has an independent chairman who is appointed by EXCOM. The chairman of the Warehousing Committee shall have no material interest in the operations of a warehouse company, whether LME-approved or not. Today, the remaining committee members are employee representatives of each LME approved warehouse company. Ex. A, Terms of Reference ¶¶ 3.1, 3.2.

14. Since at least 2008, there have been at least 9 members of the Warehousing Committee. Since at least 2008, Henry Bath & Son Ltd, Pacorini Metals AG and Metro International Trade Services LLC have each had only one representative on the Warehousing Committee. The Henry Bath, Pacorini and Metro representatives have never comprised a majority of the Warehousing Committee.

15. None of the non-LME defendants named in this litigation have ever had a representative on the LME EXCOM. LME EXCOM is only and has only ever been made up of LME employees (except for one person who started at the LME as an independent contractor and then became a permanent employee of the LME).

The LME's UK Statutory Obligation To Regulate Its Market

16. The LME is a "recognised investment exchange" ("RIE") within the meaning of section 285 of the Financial Services and Markets Act 2000, as amended ("FSMA"). True and correct copies of excerpts of the FSMA are attached as Exhibit B. True and correct copies of excerpts from the legislative history of the FSMA are attached as Exhibit C, Financial Services and Markets Bill, comments of Lord McIntosh of Haringey, HL Deb 30 March 2000, vol 611, col 975 and Exhibit D, Financial Services and Markets Bill, comments of Lord Fraser of Carmyllie, HL Deb 16 March 2000, vol 610, cols 1785-1786, respectively.

17. To maintain its status as an RIE, the LME must meet requirements adopted by the UK Treasury, which are known as the "Recognition Requirements." Financial Services and Markets Act 2000 (Recognition Requirements for Investment Exchanges and Clearing Houses) Regulations 2001 (2001/995), as amended ("Recognition Requirements"), a true and correct copy of excerpts of the Recognition Requirements are attached as Exhibit E.

18. Under the Recognition Requirements, the LME has the obligation to maintain an orderly market and afford proper protection to investors on the LME. Ex. E, Recognition Requirements, sch. ¶ 4. The LME must, among other things, have "satisfactory arrangements" for "the safeguarding and administration of assets belonging to users of [its] facilities" and "for securing the timely discharge (whether by performance, compromise or otherwise) of the rights and liabilities of the parties to transactions effected on the exchange." *Id.* ¶ 4(2)(d), (g).

19. The Recognition Requirements also require the LME, among other things, to:

(a) "ensure that the systems and controls used in the performance of its functions are adequate, and appropriate for the scale and nature of its business," including "the safeguarding and administration of assets belonging to users on the exchange's facilities," *id.* ¶ 3(1), 3(2)(e);

(b) "maintain high standards of integrity and fair dealing in the carrying on of regulated activities by persons in the course of using the facilities provided by the exchange," *id.* ¶ 6(1);

(c) "have effective arrangements for monitoring and enforcing compliance with . . . its rules," *id.* ¶ 8(1); and

(d) "have effective arrangements for the investigation and resolution of complaints arising in connection with the performance of, or failure to perform, any of its regulatory functions," *id.* ¶ 9(1).

20. The LME fulfills its statutorily-mandated obligation to maintain an orderly market and to protect investors by regulating its price discovery and price convergence functions, a vital and integral part of which is the LME's warehousing system.

LME's Price Discovery Function

21. The LME fulfills its obligation to maintain an orderly market by ensuring that its processes and methods for the trading of its contracts permit the discovery of the price for aluminum (and other metals) that is the result of global supply and demand conditions. The LME has developed contracts with the aim of ensuring a proper and orderly market. The contracts that have been developed are aimed at providing the metals trade and industry with a global reference price. For this to be achieved, both producers and consumers of these metals must have confidence in the prices established by the LME contracts. To instill confidence in industrial users of these contracts, the contracts have been designed to include the following features: (a) physical settlement, this is very important since it plays a vital role in creating price convergence; (b) global reach; (c) contract specifications; and (d) terms and conditions on which warehouse operators are licensed by the LME. These features are discussed in more detail below.

22. The LME itself is not involved in trading, nor does it operate or provide financial or physical services to customers. The LME's role is to regulate the trading of futures contracts. The trading function that the LME regulates results in a global reference price for metal, in this case, aluminum, that reflects global supply and demand.

23. The Ring, the LME's open-outcry trading floor, is central to the process of price discovery. Each LME metal is traded in highly liquid five-minute Ring sessions four times a day, and further two Kerb sessions lasting 45 minutes each. Only Ring Dealing (Category 1) Members can trade in the Ring.

24. The LME Official Price, *i.e.*, the last bid and offer price quoted during the second Ring session, is discovered on the ring floor. The LME Official Price is used as the global reference price for the sale of metal into the physical market.

25. The physical market is the place where metal manufacturers, such as miners, smelters and refiners, sell their metal to purchasers who in turn use that metal to make physical goods for sale. This metal is separate from the metal that passes through the LME system.

26. Because of the integrity of the LME price, sellers in the physical market have chosen to use the LME price as a component in the price that they wish to achieve when negotiating the sale of their metal to purchasers in the physical market. This is because the LME's regulation of its market produces a price that most accurately reflects the actual global supply and demand conditions. But the LME price for aluminum is a pure price for metal, *i.e.*, it does not reflect anything other than global supply and demand conditions for aluminum. Thus, sellers of aluminum in the physical market to buyers who want to use the aluminum to make products must negotiate an actual "all-in" price for aluminum. The all-in price includes the added costs of transport and delivery. The ultimate "all-in" price includes those components, both of which are subject to negotiation between the buyers and sellers. The difference between the LME price and the all-in physical price is called the premium.

LME's Price Convergence Function

27. The LME's obligation to maintain an orderly market requires that its price discovery maintain a correct relationship to the actual price of metal, called price convergence. Price convergence refers to keeping the LME price in line with the physical market price (also known as the "spot price").

28. The fact that LME futures contracts can be physically settled (*i.e.*, physical metal *could*, in theory, be delivered to the buyer) plays a vital role in attempting to ensure price convergence between the LME price and the physical price.

29. A unique aspect of the LME, as opposed to other futures markets, is that all contracts (with certain limited exceptions) are for physical delivery and cannot be settled until the prompt date. Initial and variation margin (which are cash or collateral deposits to secure payment or delivery on the delivery date) can be called during the term of the contract, but the value of the contract is not paid until delivery, and profits accruing cannot be released until the prompt date. LME contracts are based on physical settlement by the transfer of ownership of metal stored in listed warehouses; this guarantees price convergence as the far futures settlement dates converge on the cash settlement date (*i.e.*, two days forward). The ability to make or take delivery of metal against an LME futures contract on the settlement date attempts to prevent divergence between the LME settlement price and the all-in physical metal price.

30. Settlement of LME contracts is first by offset and then by delivery of the balancing position by means of LME warrants. This takes place on the settlement date so that ownership of metal changes hands on the day; there is no settlement window. Offset allows those who trade on the LME to reduce the number of LME warrants necessary to settle their obligations on a settlement day to the net exposure. For example, a producer who hedges his risk to a drop in metal prices will sell for delivery on a future date on the LME. He will close out his hedge by buying back an equal amount of metal for delivery on the same date on the LME. The metal delivery obligations will offset exactly and result in no LME warrants changing hands but the price differences will produce a net cash payment on that date.

31. An LME warrant is a bearer warehouse receipt that represents the ownership of a specific number of tonnes of an identified producer brand, stored in an identified shed operated by an LME approved warehouse company. The LME devotes a great deal of effort to maintaining the metal brand listing and warehouse approval systems because the reliability of metal stored in LME approved warehouses underpins the integrity of trading and price discovery.

32. A buyer under an LME warrant is obliged to accept any warrant for the relevant metal as good delivery—the buyer cannot choose the warrant he wants. Once a warrant has been delivered to a buyer, the buyer can present it to the warehouse where the metal is stored in exchange for the metal, or can use it to meet his own delivery obligations.

33. The smooth operation of the LME, and effectiveness, transparency and reliability of the market, is dependent upon the LME's ability to provide certainty as to the quality and physical availability of the metal used to settle LME contracts. Certainty as to physical availability is only made possible by the system of approving warehouses.

34. Although the possibility of physical delivery is a key part of the LME's global price discovery and price convergence functions, the LME is only a market of last resort for physical metal. Historically, only approximately 1% of contracts traded on the LME have resulted in physical delivery and the removal from an LME-approved warehouse. This only happens in the event that the new warrant holder presents the warrant to the warehouse for cancellation. They then pay the outstanding rental and the appropriate free-on-truck (FoT) withdrawal charges prior to obtaining the metal from the warehouse company.

The Role of LME's Warehouse System

35. To maintain the credible possibility of physical delivery of metal, the LME approves a network of warehouses and storage facilities around the world. Warehouse companies must meet strict criteria before LME approves them to handle metals.

36. The LME does not own or operate warehouses, nor does it own the metal that they contain. Rather, the LME lists specific geographical locations as good delivery points and approves warehouse companies within those locations. Essentially, to qualify as a good delivery point, the location should generally be within an area of net consumption and away from adjacent areas of production for that particular metal.

37. Within good delivery locations, the LME authorizes warehouse companies and the warehouses they operate to store LME-registered brands of metal, on behalf of the warrant holders who own the metal. LME warehouses also issue LME warrants through their London agent for material delivered into their approved warehouses.

38. An LME warrant is a bearer document of possession relating to one specific lot of metal in an LME listed warehouse. Title to the metal changes when the warrant changes hands.

39. LME warrants are issued by an approved warehouse company after the metal has been delivered to it. Prior to issuing a warrant, a warehouse company must ensure that the metal and the supporting documentation conform to the relevant specifications under the LME Rules (for more detail see below).

40. Once approved, an LME warehouse holds itself out to the marketplace as an LME-approved warehouse. This transparent system of approved warehouses engenders trust among the traders on the LME system because they know that the metal that is the subject of their trades is secure and of certain quality.

41. LME-approved warehouses charge rent and FoT rates to their customers. Rent is the charge on a specific LME warrant for storage within an LME listed warehouse and is charged on a daily rate. FoT rates are delivery-out charges payable by the buyer of metal. LME approved warehouses must set their maximum rents and maximum FoTs annually and must report them to the LME. "Summary of Public Report of the LME Warehousing Consultation, pursuant to LME Notice 13/208 : A021 : W076" at § 2.1.3 (Nov. 2013) ("Warehousing Consultation Report"), a true and correct copy of which is attached as Exhibit F.

42. The LME does not approve or set the rents or FoTs that approved warehouses charge. The LME merely publishes the rents and FoTs that the warehouse companies report to the LME will be their maximum rent and FoTs for the year. *See* http://lme.com/trading/warehousing-and-brands/warehousing/rent-and-fot-rates/; *see also* Ex. F, Warehousing Consultation Report § 2.1.3. The actual rent and FoTs that the warehouses ultimately charge their customers are matters of commercial negotiation between the warehouse company and its customers and those negotiations can result in rates that are lower than the LME-published rates. *Id.*

The LME Regulates Approved Warehouses To Fulfill Its Price Discovery And Price Convergence Functions

43. The LME's regulatory obligation to maintain an orderly market through its price discovery and price convergence functions requires it to ensure that approved warehouses do not conduct their business in a manner that adversely affects the LME's price discovery and price convergence function. The LME "is committed to ensuring that [it] has an effective warehousing system and is committed to keeping a close watch on all warehousing matters as it believes [its] warehousing operations play a crucial part of [its] role . . . in providing a reliable

price discovery mechanism." LME Notice 07/273 : A267, "FOT Rates" at ¶ 15 (Oct. 5, 2007), a true and correct copy of which is attached as Exhibit G.

44. Since the system of regulation in the UK which has required the LME to maintain an orderly market has been in effect, the LME has executed its statutory obligation through its regulation of approved warehouses. *See, e.g.,* LME Notice 07/076 : A074 : W038, "FOT Study" at ¶ 12 (Mar. 22, 2007), a true and correct copy of which is attached as Exhibit H; LME Notice 07/077 : A075 : W039, "Complaints about the Practices of LME Listed Warehouses" at ¶ 8 (Mar. 22, 2007), a true and correct copy of which is attached as Exhibit I. Just last month, the LME "reiterate[d] its strong commitment to ensuring that its global contract structure offers the optimal price discovery and hedging mechanism for industry and investors." *See, e.g.*, LME Notice 14/121 : A117 : W056, "Further Updates on Warehouse and Physical Network Reforms" at ¶ 4 (Apr. 7, 2014), a true and correct copy of which is attached as Exhibit J.

45. The government of the United Kingdom, through the Financial Conduct Authority, recognizes that the LME must regulate its approved warehouses to fulfill its statutory obligations to maintain an orderly market. The FCA has stated that "[w]hilst the LME's warehousing arrangements are not directly regulated by the FCA, they play an important role in the functioning of the LME's market. We expect the LME to ensure approved warehouses provide effective and efficient services for the receipt, holding, and delivery of metal related to the trading of LME contracts, to support LME meeting its regulatory obligations as a recognised investment exchange." "FCA Statement on the London Metal Exchange (LME)" (Nov. 7, 2013), a true and correct copy of which is attached as Exhibit K.

46. As the FCA has stated, it considers RIEs like the LME "front-line regulators of the markets they operate." FCA, Regulating the Commodity Markets: A Guide To the Role of

the FCA at 4, a true and correct copy of which is attached as Exhibit L. Although the FCA does not itself directly regulate the operation of warehouses licensed by RIEs, it "ha[s] a formal interest in warehousing in relation to commodity markets because of the role it plays in ensuring that those RIE derivatives contracts which incorporate warehouse arrangements are anchored to the price of the underlying product and have effective settlement arrangements." *Id.* For this reason, the FCA finds it important that RIEs "have contractual relationship[s] with the warehouses and have terms and conditions by which the warehouses must abide." *Id.*

47. I am familiar with the FCA's close and continuous supervision over the LME's discharge of its regulatory obligations to maintain an orderly market, including by regulating approved warehouses. The FCA has a sourcebook that describes its supervision of RIEs, like the LME. *See* FCA REC Sourcebook § 4. True and correct copies of excerpts from the REC Sourcebook are attached as Exhibit M, and a full version is available at http://media.fshandbook.info/content/FCA/REC.pdf. For example, the LME has a monthly "Regulatory Compliance" meeting with the FCA and one standing agenda item at that monthly meeting is the LME's regulation of its warehousing system. At these meetings the FCA questions the LME about various issues, including its proposals and consultations for changes to its rules. Either I or a member of my team attends the standing FCA meeting every month.

48. As one example, the LME met with the FCA multiple times to discuss the July 2013 consultation related to changes to its warehousing load-out rule discussed in paragraphs 77-79 below. The FCA confirmed that it had "engaged with the LME to ensure these changes, including the Linked Load-In and Load-Out rule, are consistent with its regulatory obligations" and stated that it would "continue to engage with the LME and other stakeholders to monitor the

impact of all the measures announced by the LME." Ex. K, "FCA Statement on the London Metal Exchange (LME)" (Nov. 7, 2013).

49. In addition to the close FCA supervision that Nicholas David Ong-Seng described in his April 17, 2014 declaration (¶¶ 16-21), I personally, as well as other LME employees, regularly respond to inquiries from the FCA about specific issues on almost a daily basis. This includes responding to telephone calls, email inquiries, and in-person requests from the FCA. In addition, I and others at the LME frequently have to respond in writing to FCA inquiries, including preparing detailed reports on various topics that the FCA requests. Many of the FCA's inquiries relate to the LME's regulation of approved warehouses.

The LME Imposes Strict Terms And Conditions On Approved Warehouses

50. Because of the importance of the warehouse system to the LME's ability to maintain an orderly futures market through price discovery and price convergence, the LME imposes strict terms and conditions on each warehouse company to fulfill its obligations under the Recognition Requirements. Attached as Exhibit N is a true and correct copy of the "Terms and conditions applicable to all LME listed warehouse companies" ("Terms and Conditions"). The Terms and Conditions themselves recognize that "the proper functioning of the market" is affected by the "liquidity and elasticity of stocks of metal under Warrant." *See* Ex. N, Terms and Conditions at cl. 9.3.1.

51. The Terms and Conditions also obligate the warehouses to keep "clearly organised systems for recording storage of metal under Warrant." Ex. N, Terms and Conditions at cl. 6.1.1. Additionally, the warehouses must report their stock of warranted metal to the LME each business day. *Id.* at cl. 6.3.1. Further, the LME can, at any time, request information from

warehouses' storage, warrant, or stock records—a request with which the warehouse is required to comply. *Id.* at cl. 7.3.3.

52. The Terms and Conditions also "permit [LME] staff to conduct routine and other inspections of [a warehouse's] premises used for the storage of LME metal." *Id.* at cl. 7.3.4. The LME inspects approved warehouses to validate the physical aluminum that secures the paper warrants traded on the LME. Inspections occur at regular intervals, with the optimum time being twelve to eighteen months. During the visit, LME inspectors perform a physical stock count of live and cancelled parcels as compared to a warrant list from the warehouse or an internal LME system, LMESword. They also examine the condition of the warehouse and the metals contained within it, and inspect weighing equipment for certification and accuracy.

53. The Terms and Conditions also require the warehouses to "adhere to the Principles of Conduct set out at Clause 11." Ex. N, Terms and Conditions at cl. 7.6. Through clause 11.10, each warehouse recognizes that the LME "has responsibility for ensuring that its markets are proper and orderly and not subject to abuse," and therefore, the clause mandates that warehouses "[d]eal with the LME in an open and co-operative manner" and "keeping it informed" of anything about its warehouse or the metal stored therein that the LME "might reasonably expect to be disclosed to it." *Id.* at cl. 11.10.

54. The LME's Policy Regarding the Approval of Warehouses also imposes conditions on LME warehouses. These include requirements on the minimum amount of metal that a warehouse must load-out each day. *See* Ex. F, Warehousing Consultation Report § 2.3.4.1. A true and correct copy of the current LME Policy Regarding the Approval of Warehouses is attached as Exhibit O.

55. In order to ensure compliance with the Terms and Conditions and the LME's other applicable rules, and to fulfill its obligations under the Recognition Requirements (¶¶ 8-9), the LME has the authority to investigate and discipline its listed warehouses. *See* Ex. N, Terms and Conditions at cls. 9.3.2-.3; *see also* Ex. F, Warehousing Consultation Report § 2.3.4.1. The Terms and Conditions applicable to all LME approved warehouse companies expressly incorporate the LME's handbook on enforcement and disciplinary procedures. Ex. N, Terms and Conditions at cl. 8.

56. The LME's handbook on enforcement and disciplinary procedures ("Handbook") grants the LME authority to investigate any alleged act of misconduct, such as that "which has brought or may be likely to bring the Exchange or any of its markets into disrepute." Handbook at cls. 2.2.3, 3.1, a true and correct copy of which is attached as Exhibit P.

57. LME listed warehouses must cooperate fully with all investigations—regardless of whether or not they are the warehouse under investigation. Such cooperation includes making officers, employees or agents available for interviews, producing information to the LME, and permitting an LME representative to visit the warehouse's offices at any time. Ex. P, Handbook at cls. 3.4-.3.

58. Following the LME's investigation, "[a] report detailing the findings of the investigation shall be passed on to the [LME's] Executive Director: Regulation and Compliance who, if he believes that there is reasonable evidence to support an allegation of an Act or Acts of Misconduct, must pass the report to the Enforcement Committee for consideration." Ex. P, Handbook at cl. 3.5. The Enforcement Committee may then decide to institute disciplinary proceedings against the warehouse. *Id.* at cl. 4.

59. As part of the disciplinary proceedings, the Enforcement Committee may decide to ask the chairman of the Disciplinary Panel to set up a Warehouse Disciplinary Committee, which will hold a hearing. The LME and the accused warehouse may each adduce evidence, call witnesses, and cross-examine opposing witnesses. The Warehouse Disciplinary Committee may also question witnesses. Ex. P, Handbook at cl. 6.5.

60. If the warehouse is found to have committed the alleged act, the Warehouse Disciplinary Committee may impose penalties on the warehouse, including permanently withdrawing its status as an LME-approved warehouse. Ex. P, Handbook at cl. 8.1.4; *see also* Ex. F, Warehousing Consultation Report § 2.3.5.

61. A disciplined warehouse then has the right to appeal the decision to the LME's Disciplinary Appeal Committee, which will receive written submissions and may hear live testimony of witnesses, including through cross-examination. Ex. P, Handbook at cl. 10.

62. A warehouse company can challenge the fairness of the LME's disciplinary and appeal process through a judicial review procedure in UK court. For example, in 2000, one of the LME's then-listed warehouses, Albatros Warehousing BV, brought a judicial review proceeding in the UK's High Court of Justice, Queen's Bench Division to challenge the process of the LME's Disciplinary Appeal Committee that resulted in sanctions against Albatros for two breaches of the LME's rules. *See R v. The London Metal Exch. ex parte Albatros Warehousing Ltd. BV* (unpublished Mar. 30, 2000) ¶ 1, a true and correct copy is attached as Exhibit Q; *see also* Ex. F, Warehousing Consultation Report § 2.3.5.

The LME's Rulemaking And Consultation Process

63. The LME's statutory obligation to maintain an orderly market includes obligations that require the LME to use fair procedures in discharging its regulatory function,

including an obligation to publish proposed rules and consult with the market before adopting or changing them. The Recognition Requirements obligate the LME to "ensure that appropriate procedures are adopted for it to make rules, for keeping its rules under review and for amending them." Ex. E, Recognition Requirements, sch., ¶ 7(1). The LME's procedures must also "include procedures for consulting users of the exchange's facilities in appropriate cases." *Id.* ¶ 7(2).

64. In the FCA's REC Sourcebook, the FCA has elaborated factors that it considers relevant in assessing an RIE's consultation obligation. Specifically, the FCA considers, *inter alia*, the LME's procedures for "consulting users of [its] facilities before changes are made to any rules relating to its regulatory functions;" "the range of persons consulted;" and the publication of the "reasons for the proposed changes." Ex. M, REC Sourcebook § 2.14.3-.6 G.

65. Because the LME is mandated to have "procedures for consulting [its] users," Recognition Requirements, sch., ¶ 7(2), the LME's failure to engage in appropriate consultation could result in the FCA revoking its recognition as an RIE or subjecting it to other sanctions. Ex. B, FSMA § 297(2)(a)-(b).

66. A party who believes that the LME failed to follow proper consultation procedures before implementing or amending a rule can challenge the rule in a judicial review proceeding in UK court. If the UK court concludes that the LME failed to follow proper procedures, it can quash the proposed rule. A recent example is the judicial review proceeding that Rusal brought in the UK High Court of Justice, Queen's Bench Division to challenge the procedures that the LME used to adopt a proposed new rule on the minimum amount of metal that an LME warehouse is required to load-out per day. *See R v. The London Metal Exchange ex parte United Co. Rusal PLC*, [2014] EWHC 890 (Admin), ¶¶ 1-5, a true and correct copy is

attached as Exhibit R. The court concluded that the procedures that the LME used to consult the marketplace about the rule were unfair and quashed the LME's decision to implement the rule. *Id.* ¶ 104. The UK Court of Appeal recently granted the LME permission to appeal that decision because, if it stood, it would place "onerous obligations on [a] public body" like the LME. *See* discussion in paragraph 80 below.

67. The LME performs its rulemaking and consultation processes in the UK.

Warehouse Queues and Price Convergence

68. Delay in getting metal out of LME warehouses, known as "queues," can negatively impact the LME's price discovery and price convergence functions because metal owners pay rent to warehouse operators when their metal is in warehouse, and, if a metal owner wants to cancel the warrant, and take the metal out of the LME warehouse and put it somewhere where the rent is cheaper, that owner has to take into account the rent that it has to pay until its metal can get out of a queue. For this reason, the LME regulates the minimum amount of metal that approved warehouses must load out each day. Ex. F, Warehousing Consultation Report § 2.3.4.1.

69. Following a consultation process as required by the Recognition Requirements (¶ 7(1)), the LME issued its first formal rule setting forth minimum load-out rates for approved warehouses in 2003.

70. Between March 2009 and August 2010, the LME received complaints about delays in loading out metal from some of its approved warehouses. As a result, in October 2010, the LME commissioned Europe Economics to study the effect of the then-existing warehouse queues on the LME's price discovery and price convergence functions. LME Notice 10/322 :

A315 :W141, "Warehouse Study by Europe Economics" (Oct. 14, 2010), a true and correct copy of which is attached as Exhibit S; *see also* Ex. F, Warehousing Consultation Report § 3.5.

71. The resulting report recognized that "[q]ueues may inhibit the LME's price discovery process" because a queue effectively "lowers the value of warranted metal in relation to the value of physically delivered metal. This may be damaging to the [LME's] price discovery process because this reduction in value is a result of warrant cancellations and LME loading out requirements, rather than a result of developments in the physical market. Changes in the LME price will then be related to changes in queue lengths, as well as to physical supply and demand." LME Notice 11/141 : A135 : W092, "Warehouse Study by Europe Economics" (May 27, 2011), and attached Executive Summary at ¶¶ 11-12, true and correct copies of which are attached as Exhibit T.

72. Subsequent to the report, and consistent with its obligations under the Recognition Requirements (¶ 7(1)), in July 2011, the LME engaged in a consultation process for proposed changes to its rules that would increase the minimum required load-out. *See* LME Notice 11/187 : A181, "Changes to LME Policy for Approval of Warehouses in Relation to Loading Out Rates" (July 15, 2011), a true and correct copy of which is attached as Exhibit U; Ex. T, LME Notice 11/141.

73. Following the 2011 consultation, the LME implemented changes to increase its minimum load-out rules. LME Notice 11/335 : A327 : W174, "Changes to LME Policy for Approval of Warehouses in Relation to Loading Out Rates – Result of Consultation With Warehouse Companies" (Nov. 17, 2011), a true and correct copy of which is attached as Exhibit V.

74. After implementing the rule changes following the 2011 consultation, and consistent with the Recognition Requirement that the LME keeps its rules under review (¶ 7(1)), the LME followed a six-month review cycle of its warehousing rules. Warehouse Consultation Report § 4.1; *see also* LME Notice 12/212 : A213 : W114, "Formal Six Month Review of Warehouse Load-Out Requirements" (Aug. 1, 2012), a true and correct copy of which is attached as Exhibit W.

75. In April 2012, the LME engaged in a consultation process related to the load-out rules for nickel and tin. LME Notice 12/118 : A117, "Changes to LME Policy for Approval of Warehouses in Relation to Delivery Out Rates for Nickel & Tin" (Apr. 25, 2012), a true and correct copy of which is attached as Exhibit X. Following that consultation, the LME implemented changes to take effect on April 1, 2013. LME Notice 12/211 : A212 : W113, "Confirmation of Changes to LME Policy for Approval of Warehouses in Relation to Delivery Out Rates for Nickel & Tin Following Consultation with Warehouse Companies" (Aug. 1, 2012), a true and correct copy of which is attached as Exhibit Y.

76. In December 2012, following a November 2012 consultation, the LME implemented additional changes to its load-out rules related to non-dominant metals. LME Notice 12/326 : A324 : W165, "Confirmation of Changes to LME Policy for Approval of Warehouses in Relation to Delivery Out Rates" (Dec. 20, 2012), a true and correct copy of which is attached as Exhibit Z.

77. Continuing its six-month reviews, and finding that the queues continued to persist and therefore continued to risk impacting the LME's price discovery and price convergence functions, in January 2013, the LME conducted another internal study of its warehousing rules. Ex. F, Warehousing Consultation Report § 4.1

78. As a result of that internal study, on July 1, 2013, the LME undertook another consultation on proposed changes to its warehousing minimum load out rules. LME Notice 13/208 : A201 : W076, "Consultation on Changes to LME Policy Regarding the Approval of Warehouses in Relation to Delivery Out Rates" (July 1, 2013), a true and correct copy of which is attached as Exhibit AA. Over the course of that consultation, the LME received 33 written responses and took over 70 meetings with market participants, which represents every market participant who requested a meeting. Ex. F, Warehousing Consultation Report § 4.3.

79. As a result of the July 2013 consultation, the LME planned to implement changes to its warehousing rules that were designed to address the queues that had developed at certain warehouses by increasing the minimum required load-out again. Ex. F, Warehousing Consultation Report § 4.2. However, aluminum producer Rusal, brought a judicial review proceeding challenging the fairness of the LME's consultation process and a UK court ultimately quashed the LME's decision to implement its new rules. *See* Ex. R, *R v. The London Metal Exchange ex parte United Co. Rusal PLC*, [2014] EWHC 890 (Admin).

80. On May 14, 2014, the UK Court of Appeal granted the LME permission to appeal the *Rusal* decision because (1) "[t]he judge's analysis, if correct, places onerous obligations on any public body conducting a consultation on complex issues in a politically sensitive area," (2) [t]he public body must carry out its own preliminary assessment and winnowing in order to provide proper focus for the consultation exercise, as the LME did in this case," and (3) "the grounds of appeal have a real prospect of success." A true and correct copy of the May 14, 2014 Order from the Court of Appeal is attached as Exhibit BB.

The LME's Stock Levy For Approved Warehouses

81. LME's warehouse Terms and Conditions provide that each approved warehouse company must pay an annual listing fee and a stock levy to the LME. Ex. N, Terms and Conditions at cl. 9.1.1. The stock levy that the LME currently charges is 1.10 percent of the daily rent collectable on LME warrants.

82. The LME stock levy is designed primarily to offset the budget for and the expenses incurred by the LME's physical operations department, which has responsibility for things like auditing and inspecting the warehouses and, when necessary, investigating and disciplining rule violations.

83. LME put the current stock levy methodology in place in November 1999. At that time the levy was set at 1% of daily rent based on the published rate. LME Notice 99/531 : W212, "Warehouse Fees and Levies in 2000" at ¶ 2 (Nov. 17, 1999), a true and correct copy of which is attached as Exhibit CC. The LME increased the levy from 1% to its current 1.10% rate in December 2002 to cover increased administrative expenses associated with auditing, inspecting and monitoring approved warehouses. LME Notice 02/481 : A481 : W169, "Exchange Contract Levies, Annual Subscriptions and Other Charges" at 2 (Dec. 20, 2002), a true and correct copy is attached as Ex. DD. The LME has not changed the stock levy rate since that time, and it remains 1.10% today.

84. Because the stock levy is a flat rate, the amount of revenue that it generates depends on the volume of LME metal in the warehouses and therefore fluctuates with macroeconomic factors that influence warehouse capacity utilization. For example, the global financial crisis in 2008 led to a sharp decline in economic activity, which included a sharp decline in the demand for aluminum for industrial uses. This resulted in an influx of metal to

LME warehouses, particularly warehouses in Detroit that were located in close proximity to smelters in Canada who continued to produce metal despite the crisis but did not have sufficient demand for it in the physical market. At the same time, low interest rates designed to stabilize the financial system provided access to cheap capital, and metal, as a tangible asset, became a more attractive form of investment.

85. As a result of the accumulation of large stocks of stored metal and the belief that consumption was likely to rise in the future as the world emerged from the financial crisis, the forward price for aluminum became higher than its current price. This market situation is called a "contango." The existence of a contango gives, for example, intermediaries, merchants, traders and financial institutions who engage in arbitrage trades the incentive to purchase and store aluminum in the hope that the costs of financing the purchase and of storage the metal will be less than the proceeds on its future sale.

86. Because the LME stock levy is a flat rate, when more LME metal is stored in LME warehouses, such as what happened after the financial crisis in 2008, the revenues from the stock levy increase and vice versa. The total annual revenues that the LME received from its warehouse stock levy since 2003 are as follows:

Year	Amount (GBP)
2003	1,679,326.63
2004	1,161,114.94
2005	901,562.82
2006	873,436.99
2007	872,872.91
2008	1,613,148.48

2009	5,156,035.97
2010	6,179,946.15
2011	6,688,312.99
2012	7,735,052.73
2013	8,960,739.59

87. The LME's decisions about how best to regulate its market, including how best to regulate its warehouses, are not based on the amount of revenue that it generates from the stock levy. As reflected above, the stock levy has generated only modest revenue even in times of high supply in LME-approved warehouses.

The LME's Future U.S. Office

88. The LME is considering opening an office in the U.S. so that we can have a closer physical presence to our clients in North and South America. By "clients" the LME means the entities that trade on its exchange (*i.e.*, members of the exchange and their customers), not the warehouses that store LME metal in the U.S.

I declare under penalty of perjury under the laws of the United States of America that the foregoing is true and correct, to the best of my knowledge, information and belief, pursuant to 28 U.S. C.§ 1746.

Executed on May 22, 2014

MARK BRADLEY
Mark Brendan Bradley

LONDON METAL EXCHANGE

From: Diarmuid O'Hegarty: Deputy Chief Executive

To: All Members, Warehouse Companies and London Agents

Ref: 11/335 : A327 : W174

Date: 17 November 2011

Subject: **CHANGES TO LME POLICY FOR APPROVAL OF WAREHOUSES IN RELATION TO LOADING OUT RATES – RESULT OF CONSULTATION WITH WAREHOUSE COMPANIES**

Summary

1 Attached to this notice is a copy of the revised LME Policy Regarding the Approval of Warehouses that will take effect on **1 April 2012**. This notice also sets out the results of the consultation with warehouse companies on the proposals for load out rates set out in the Policy.

Background

2 LME notice 11/187 and warehouse consultation notice W106 were issued on 15 July 2011. Notice 11/187 explained the Exchange's proposals for changes to loading out rates. These proposals were subject to consultation with LME listed warehouse companies in accordance with LME procedures. Warehouse consultation notice W106 invited comments from LME listed warehouse companies on the proposals.

3 The Exchange received four responses to the consultation. The Exchange is grateful to those who took the trouble to submit their comments.

4 Attached to this notice is the revised LME Policy Regarding the Approval of Warehouses which has been amended in light of responses to the consultation. The revised Policy will take effect on **1 April 2012**.

5 The changes from the proposed policy published on 15 July 2011 are set out in paragraphs 3 and 10 as follows:-

(a) New paragraph 3 clarifies that if a warehouse company's stored tonnage drops below 900,000, 600,000 or 300,000 the warehouse company must continue to honour deliveries that have been scheduled and for which the FOT and rent payments have been made. Where a warehouse company's storage tonnage increases so that its minimum delivery out rates are increased the warehouse company will have a maximum of 30 days in which to rearrange its scheduling to achieve the new minimum delivery out rate. This amendment recognises that scheduling that has been agreed cannot be cancelled without the consent of the metal owner and that warehouse companies and metal owners will need additional time to make necessary arrangements before increased deliveries out take effect.

(b) These provisions will deal with situations that arise after the 1 April 2012 where a warehouse company's minimum delivery obligations change because of the volume of metal stored. Warehouse companies are being given over three months' notice of the new requirements and therefore any warehouse company that is in the 300,000 to 599,999 tonne banding, the 600,000 to 899,999 tonne banding or the 900,000 tonne and over banding on 1 April 2012 will be expected to be in a position to achieve the new minimum deliver out rates with immediate effect.

(c) New paragraph 10 clarifies that the daily delivery tonnages set out in the policy are minimum delivery out requirements and not minimum scheduling requirements.

Diarmuid O'Hegarty

cc: Board directors
Warehousing committee

LONDON METAL EXCHANGE

LME POLICY REGARDING THE APPROVAL OF WAREHOUSES, [REVISED 1 APRIL 2012]

Warehouse companies

Warehouse companies will be considered for listing in an existing or new location subject to completion of a warehouse agreement application form supported by evidence of insurance, capital adequacy and other documents as detailed by the LME from time to time. Inspection of premises offered for warehousing to the LME will take place prior to any listing to ensure they suit the logistical nature of the location as required by the LME. The LME will state its needs in this respect when sending the applicant the application form.

Warehouses

1. Road connection to major highways is mandatory.
2. Rail loading facilities adjacent to the warehouses will be required if, in the opinion of the LME, this service is routinely required by the metals trade. Warehouses without direct rail connections in such locations may be considered for listing if it can be demonstrated that adequate shuttle services to the rail head are provided by the warehouse company at its own cost and risk.
3. Water loading facilities adjacent to the warehouse or otherwise will be treated in the same way as rail.

The LME will undertake its own enquiries, as it sees fit, from its members/trade entities etc. to evaluate any applications prior to submission to EXCOM for consideration.

Common standards of working practices and facilities for warehouses

1. For each 2500m^2 of space (not including open storage compounds for steel) there must be access by means of an operational door for vehicle loading/unloading, with a minimum of 2 doors per warehouse.
2. The minimum daily delivery tonnage must be in accordance with the tables below. Where the delivery requests exceed the minimum daily delivery tonnage for the capacity on the table below, the LME will regard the standard as applying over the number of days necessary to complete the deliveries, as per the table (e.g. if the requests for the delivery of 2000 tonnes apply to a warehouse's location capacity of 2500 sq. metres, the standard would be to deliver in 3 days with no reference to the performance on any one of those days). The LME would, however, expect the warehouse company to act reasonably when allocating the tonnage delivered out in each of those days.

warehouse company's authorised space per location, in m^2	minimum daily delivery tonnage for all metals (excluding cobalt and RMC)
2,500	800 tonnes
5,000	1,200 tonnes
7,500	1,500 tonnes

The above table applies to all companies who are storing up to 300,000 metric tonnes of metal. For companies who are storing 300,000 metric tonnes and above the following table is applicable

warehouse company's tonnage stored per location	minimum daily delivery tonnage for all metals (excluding cobalt and RMC)
300,000 tonnes to 599,999 tonnes	2,000 tonnes
600,000 tonnes to 899,999 tonnes	2,500 tonnes
900,000 tonnes and over	3,000 tonnes

NB: The daily delivery tonnage is for deliveries out only and does not include deliveries in.

3. Where a warehouse company's tonnage stored increases beyond any of the 300,000, 600,000 or 900,000 tonnes thresholds, the applicable revised minimum daily delivery tonnage shall have effect from the date which is 30 days from the date the threshold is passed. This will allow the warehouse company to implement the necessary scheduling changes in order to meet the increased minimum daily delivery tonnage. However, where a warehouse company's tonnage stored falls beneath any of the 300,000, 600,000 or 900,000 tonnes thresholds, a warehouse company will still be required to deliver out all outstanding deliveries scheduled on or prior to the date the tonnage falls beneath such threshold.

4. The daily delivery out rate does not include deliveries out for cobalt and roasted molybdenum concentrate (RMC). Any deliveries out for either of these metals must be in addition to the rates stipulated in the above table.

5. The LME recognises that it may not be possible to achieve exactly the same delivery rates if delivery into containers, vans or railcars is required. In assessing a warehouse company's performance, the circumstances will be taken into account.

6. Once all formalities permitting delivery have been completed the warehouse shall prioritise all requests for deliveries out on the basis of 48 hours notice and strictly in the order in which they are received, unless the Warrant holders seeking cancellation agree otherwise.

7. In addition to their rent and FOT charges, warehouse companies are also required to supply the LME with a comprehensive set of charges for delivery out of warranted metal and will undertake to immediately advise the LME of any changes thereto. Warehouse companies are also required to submit to the LME compulsory port tariffs for the import and export of metal.

8. There should be no charges above the FOT for returning the metal to the warehouse companies approved and nominated loading berths within the location where the LME discerns a need for such transportation; the unloading of such metal from the truck being for the receiver's account.

9. Similarly there should be no charges above the FOT for returning metal to the nearest railhead where the LME discerns a need for such transportation.

10 Warehouse Companies are reminded that the daily delivery tonnages set out in this policy are minimum delivery out requirements, not minimum scheduling requirements.

With the exception of the FOT charge and port tariffs for the export of metal the warehouse company may not impose any compulsory additional charges when delivering metal out.

Continued compliance with the LME policy for warehouses

1. In the event that an existing approved warehouse/warehouse company does not appear to meet the LME's criteria, there will be an initial consultation with the warehouse company concerned.

2. If the warehouse company can demonstrate that it will upgrade facilities or work practices to meet the LME's new standards, the LME will consider the appropriate amount of time to allow for such a process. Warehouses could, for example, be given, say, 6-12 months to upgrade their facilities or relocate to a more suitable building within the location, but this would be determined on a case by case basis, according to the circumstances.

3. If after consultation the warehouse company is unwilling or unable to upgrade its facilities or work practices to meet the LME's standards, the LME retains the right to restrict the capacity of that warehouse company in that location or even delist it.

4. Prior to implementation, the LME would give the necessary notice of any action to be taken to the warehouse company and allow for formal representations to be made.

Review of LME policy for warehouses

This policy will be reviewed at least on a biennial basis

USDC SDNY
DOCUMENT
ELECTRONICALLY FILED
DOC #: ____________
DATE FILED: August 25, 2014

UNITED STATES DISTRICT COURT
SOUTHERN DISTRICT OF NEW YORK

IN RE ALUMINUM WAREHOUSING
ANTITRUST LITIGATION

13-md-2481 (KBF)
and all related cases

OPINION & ORDER

KATHERINE B. FORREST, District Judge:

On August 16, 2013, the first of what would become a large number of lawsuits alleging federal antitrust and analogous state law claims was filed against the London Metal Exchange Limited[1] (the "LME"), Glencore Xstrata plc[2] ("Glencore"), the Goldman Sachs Group, Inc. ("Goldman Sachs"), JP Morgan Chase & Co. ("JP Morgan"), and a variety of commodity trading and metals mining companies along with several metals warehousing companies.[3] The United States Judicial Panel on Multidistrict Litigation issued orders transferring all of these actions to this Court. (See ECF Nos. 1, 6, 232, 551.)

Plaintiffs allege a conspiracy to restrain the output of aluminum among the LME, owners and operators of metal storage warehouses, and metals traders including Glencore, Goldman Sachs, and JP Morgan. According to plaintiffs, these defendants devised a scheme to slow the movement of aluminum out of LME-approved warehouses, which caused aluminum prices to increase in two ways. First, the scheme constrained the overall supply of aluminum, which, as dictated by the law of supply and demand, led directly to an increase in its price. Second, the scheme caused LME-warehoused aluminum to be stored for longer periods of time, which increased its storage costs, thereby increasing the Midwest Premium, a typical pricing component of aluminum in, inter alia, the United States. Plaintiffs allege that they were therefore forced to purchase aluminum at inflated prices.

---

[1] Plaintiffs have also sued LME Holdings Limited and Limited Metal Exchange Limited.

[2] Plaintiffs have also sued Glencore Ltd. and Glencore Xstrata Inc.

[3] These defendants include GS Power Holdings LLC; Henry Bath & Son Limited; Henry Bath LLC; Hong Kong Exchanges and Clearing Limited; Lime Holdings Limited; MCEPF Metro I, Inc.; Metro International Trade Services, L. L. C.; MITSI Holdings LLC; Nems (USA) Inc.; Pacorini Metals AG; and Pacorini Metals USA, LLC.

All defendants have moved to dismiss all claims, and all plaintiffs have opposed. The instant decision concerns only one of the many pending motions,[4] specifically, the LME's motion to dismiss all claims against it on the basis that it is immune under the Foreign Sovereign Immunities Act ("FSIA"), and therefore this Court lacks subject-matter jurisdiction as to claims against it. The instant motion does not address the merits of plaintiffs' claims, and has nothing to do with, for instance, whether plaintiffs have stated or could state an antitrust claim against the LME.

Instead, the issue before this Court is a narrow one: whether the LME is an "organ" of the United Kingdom, even though it is privately owned by Hong Kong Exchanges and Clearing Limited and was previously owned by, inter alia, various investment banks and trading companies. If it is, the Court must then determine whether the LME's alleged conduct falls within the "commercial exception" of the FSIA.

---

[4] The Court will address the other pending motions separately.

For the reasons set forth below, the Court GRANTS the LME's motion to dismiss based on sovereign immunity. The Court itself initially found this result somewhat surprising and counterintuitive. Nevertheless, it is dictated by the prevailing case law.

I. RELEVANT FACTS

The facts relevant to this motion include not only those alleged in the second corrected consolidated amended complaint (ECF No. 271 ("CAC")),[5] but also those the parties have submitted in connection with this motion. Makarova v. United States, 201 F.3d 110, 113 (2d Cir. 2000) ("In resolving a motion to dismiss for lack of subject matter jurisdiction under Rule 12(b)(1), a district court . . . may refer to evidence outside the pleadings."). The Court takes all uncontroverted facts in the complaint as true and draws all reasonable inferences in favor of the plaintiff. See Tandon v. Captain's Cove Marina of Bridgeport, Inc., 752 F.3d 239, 243 (2d Cir. 2014).

---

[5] There are a number of complaints asserted against the LME in these consolidated and coordinated actions. (See ECF Nos. 226 (Amended Complaint relating to Mag Instrument, Inc. v. The Goldman Sachs Grp., Inc.), 227 (Consumer End-Users' Consolidated Amended Class Action Complaint), 242 (Commercial End Users' Corrected Consolidated Class Action Complaint), 271 (CAC), 272 (Amended Complaint relating to Agfa Corp. & Agfa Graphics, N.V. v. The Goldman Sachs Grp., Inc.); Eastman Kodak Co. v. The Goldman Sachs Grp., Inc., No. 6:14-cv-06429-MAT (W.D.N.Y.) ECF No. 1 (case transferred to this Court on August 19, 2014, see No. 14-cv-6849 ECF No. 6).) The LME's motion to dismiss pertains to all of these complaints. (See ECF No. 320.) In the instant opinion, the Court resolves the LME's motion to dismiss as to all claims against it. Because the allegations against the LME are consistent across all of the complaints, the Court will cite to the second corrected consolidated amended complaint for ease of reference.

The LME is headquartered in London, England and "is the world center for trading metals." (CAC ¶¶ 124, 125.) The LME provides a platform for trading industrial metal contracts, and over 80% of the world's non-ferrous metals futures transactions are carried out on the LME's trading platforms. (Id. ¶ 124; Declaration of Mark S. Bradley, ECF No. 387 ¶¶ 2-3 ("Bradley Decl.").)[6] "The LME brings together industrial and financial participants to create a market for buyers and sellers, and provides producers and consumers of metals with a physical market of last resort and the ability to hedge against the risk of rising and falling world metal prices." (CAC ¶ 124.)

The LME groups its members into five categories, each of which corresponds with a different set of responsibilities and obligations. (Bradley Decl. ¶ 4.) Goldman Sachs, Glencore, and JP Morgan each fall into different categories. (Id. ¶¶ 5-7.)

The LME's primary decision-making body is its Board of Directors. (Bradley Decl. ¶ 9.) The Board oversees 25 advisory committees, most of which report directly to the Board or to the LME's Executive Committee ("EXCOM"). (Id. ¶ 8.) Several of the advisory committees oversee the LME's operations; one such committee is the "Warehousing Committee." (Id. ¶ 10.) The responsibilities of the Warehousing Committee include maintaining contact with warehousing industry and trade associations, apprising EXCOM of relevant issues in warehousing, and making recommendations to EXCOM regarding warehousing policy. (Id. ¶11.) Committee decisions are by majority vote. (Id. ¶ 12.) The committee's chairman is appointed by EXCOM, and the committee's other members are employees of LME-approved warehouses. (Id. ¶ 13.) Employees of warehouse companies that are defendants in this action have never comprised a majority of the committee, and none of the non-LME defendants in this litigation have ever had a representative on EXCOM. (Id. ¶¶ 14-15.)

---

[6] Mark S. Bradley is the Head of Market Surveillance at the LME. He has been employed by the LME since 2006. Among his job responsibilities are ensuring that the LME is fulfilling its statutory and regulatory obligations to maintain an orderly market and to protect investors on the LME. Bradley is one of the LME's "liaison contacts" with the United Kingdom's Financial Conduct Authority. (Bradley Decl. ¶ 1.)

The LME is a "recognized investment exchange" ("RIE"), as defined by the Financial Services and Markets Act 2000, as amended ("FSMA"). (Id. ¶ 16 & exs. B-D.) RIEs are supervised by the Financial Conduct Authority (the "FCA"), which until 1997 was known as the Securities and Investment Board, and from 1997 until the passage of FSMA was known as the Financial Services Authority. (Declaration of Nicholas David Ong-Seng, ECF No. 322 ¶ 6 ("Ong-Seng Decl.").)[7] The FCA is "a statutorily created body that is charged with regulating the financial services industry in the United Kingdom," and it is accountable to the U.K. Parliament through the U.K. Treasury.[8] (Id.)

To maintain its status as an RIE, the LME must meet certain "Recognition Requirements" adopted by the U.K. Treasury and implemented by the FCA. (Id. ¶¶ 8-9; Bradley Decl. ¶ 17 & ex. E.) Under the current Recognition Requirements, the

---

[7] Nicholas David Ong-Seng is LME's Managing Director: Regulation and Compliance. (Id. ¶ 1.)

[8] No party has disputed that the FCA is an arm of the U.K. Government.

LME must maintain an orderly market and afford proper protection to investors, which it achieves by regulating the price-discovery and price convergence functions for metals traded on the exchange. (Bradley Decl. ¶¶ 18-20.) FSMA regulations also require the LME to make satisfactory arrangements for "securing the timely discharge (whether by performance, compromise or otherwise) of the rights and liabilities of the parties to transactions effected on the exchange," and must provide for "the safeguarding and administration of assets belonging to [those parties]." (Id. ex. D sched. 4(2)(d), (g).)

The LME's compliance with the Recognition Requirements is subject to review by the FCA, and if the FCA finds that the LME has failed to satisfy the Recognition Requirements, the FCA may revoke the LME's status as an RIE. (Ong-Seng Decl. ¶ 13.) However, under U.K. law, actions taken by the LME with respect to its regulatory functions are immunized against private suit absent a showing of bad faith. (Id. ex. B § 291.)

The LME maintains a large network of storage units for its traded commodities, including aluminum. (CAC ¶ 126.) This network includes a number of approved warehouses that are located across the United States. (Id.)

A. The LME's Price Discovery Function

The LME is tasked with ensuring efficient price-discovery and price convergence functions for metals traded on the exchange. With regard to price-discovery, contracts for metals traded on the LME are "aimed at providing the metals trade and industry with a global price reference." (Bradley Decl. ¶ 21.) The

LME does not itself trade metals contracts. (Id. ¶ 22.) LME contracts are based on physical settlement by the transfer of ownership of metal stored in LME-approved warehouses. (Id. ¶ 29.)

Price convergence "refers to keeping the LME price in line with the physical market price" (also known as the "spot price.") (Id. ¶ 27.) The "physical market is the place where metal manufacturers, such as miners, smelters and refiners, sell their metal to purchasers who in turn use that metal to make physical goods for sale." (Id. ¶ 25.) This metal is generally, though not always, separate from that which passes through the LME system. Sellers in the physical market may choose to use the LME price "as a component in the price they wish to achieve when negotiating the sale of their metal to purchasers in the physical market." (Id. ¶ 26.) These sellers negotiate with buyers over an "all-in" price that includes the added costs of transport and delivery, which are also subject to negotiation. (Id.) The difference between the LME price and the all-in price is called the "premium." (Id.) When the costs of storing aluminum in a warehouse increase (as would be the case when aluminum is being stored for longer periods of time), the premium also increases.

When the forward price of aluminum is higher than the current price (which may occur during a construction downturn), the resulting market situation is referred to as a "contango." (Id. ¶ 85.) The existence of a contango allows arbitrage traders to profit by exploiting the difference between the current and future price. (Id.) Contangos typically lead aluminum to be stored for longer periods than would otherwise be the case while would-be arbitrageurs await the expected eventual increase in the market price (that is, they are betting that the cost of financing today's purchase and storage of the aluminum will be less than the proceeds from its sale in the future). (See id.)

B. The Warehouse Arrangements

Metals are typically exchanged on the LME through the exchange of warrants, which are "bearer document[s] of possession"; each corresponds to a specific lot of metal at an LME-approved warehouse. (Id. ¶¶ 37-39.) LME warrants are issued by an approved warehouse company after the metal has been delivered to the warehouse. (Id. ¶ 39.)

The LME does not itself own or operate warehouses for metals traded on the exchange, nor does it own the metal stored within those warehouses. (Id. ¶ 36.) Instead, the LME has storage contracts with warehouses all over the world.[9] (Id. ¶¶ 35-37.) These warehouses issue and cancel warrants, and perform all of the required load-in and load-out procedures. (Id. ¶¶ 35-39, 54.)

Warehouses seeking to join the LME's network must apply to the LME. (Supplemental Declaration of Mark Bradley, ECF No. 432 ¶ 4 ("Bradley Supp.").) When an entity inquires regarding the application process, it is informed that it will need to agree to "[t]he terms and conditions applicable to all LME listed warehouse companies." (Id. ex. A.) In addition, LME provides the company with its "current disciplinary procedures handbook." (Id.)

---

[9] The Terms and Conditions applicable to all LME-approved warehouses provide for the payment of an annual "listing fee" and stock levy to the LME. (Id. ¶ 81.) The stock levy is calculated off the percent of LME warranted stock stored at an LME-approved warehouse. (See id. ¶¶ 81, 83-84.)

To become an LME-approved warehouse, an entity must execute a standard form agreement with the LME (the "Warehouse Agreement"). (Id. ¶ 5.) The first paragraph of the Warehouse Agreement states, "This Agreement is in standard form and is required to be signed in its standard form by all warehouse companies wishing to become or remain listed as LME warehouses." (Id. ex. B.) The agreement expressly "incorporates and requires approved warehouses to abide by a set of Terms and Conditions as they may change from time to time." (Id. ¶ 6.) None of the terms and conditions is individually negotiated. (Id.; see also Bradley Decl. ¶ 50 & ex. N.) The Warehouse Agreement also requires warehouses to report their stock of warranted metal to the LME each business day. (Bradley Decl. ¶ 51.)

Before the LME makes any material change to the Warehouse Agreement, it publishes a notice consulting the approved warehouses about the proposed change, then receives and considers comments. (Bradley Supp. ¶ 18; Second Supplemental Declaration of Mark Bradley, ECF No. 463 ¶ 3 ("2d Bradley Supp.").) Among the types of changes subject to such notice, comment and consideration are changes relating to minimum load-out requirements. (See id. ¶¶ 4-5, 10.) If a party objects to a proposed rule change, or to the procedure used to adopt it, the party may challenge the rule in a "judicial review" proceeding in a U.K. court (which is a process of review for public bodies). (Bradley Decl. ¶ 66; Bradley Supp. ¶ 18.) If the U.K. court agrees that the LME failed to follow appropriate procedures, it may quash the rule. (Bradley Decl. ¶ 66.) This occurred in 2014 in the case R v. London Metal Exch. ex parte United Co. Rusal PLC, [2014] EWHC (Admin) 890 (Eng.). (See Bradley Decl. ex. R.)

The LME's Policy Regarding Approval of Warehouses also imposes conditions on LME warehouses. (Id. ¶ 54 & ex. F.) These conditions include minimum daily load-out rules. (Id. ¶ 54 & ex. F § 2.3.4.1.) They do not, however, include the rent for storage at the warehouses. Instead, the Warehouse Agreement requires each warehouse annually to set its own rent rate for a period of 12 months commencing April 1 and to notify the LME of the same. (Bradley Supp. ex. C § 5.1.4.) The LME "may publish such information concerning stocks and queues at Warehouses as is considered necessary by the [LME], acting reasonably, for the purposes of market transparency or other regulatory purposes." (Id. § 6.3.3.) Each LME-approved warehouse must also maintain "effective information barriers" between it and entities that trade on the exchange, "as specified by the [LME] from time-to-time." (Id. § 9.13.)

The Warehouse Agreement further provides that "the terms of the Exchange's handbook on enforcement and disciplinary procedures" are deemed incorporated into the Agreement. (Id. § 8.) If a warehouse fails to fulfill its load-in and load-out obligations, the LME reserves the right to investigate and the "Disciplinary Procedures shall apply." (Id. § 9.3.2.) If an individual or entity complains that a warehouse has failed to fulfill its obligations, the LME may conduct an investigation, which could lead to disciplinary proceedings. (Bradley

Decl. ¶¶ 56-59.) If a warehouse is found to have engaged in the alleged acts, the LME's Disciplinary Committee may impose penalties including fines, or it may withdraw the LME's approval of the warehouse. (Id. ¶ 60.) There is a process for appeal. (Id. ¶ 61.) A warehouse company can also challenge the fairness of the LME's disciplinary and appeal process through a judicial review procedure in a U.K. court. (Id. ¶ 62.) This occurred in 2000, when an LME-approved warehouse challenged sanctions the LME imposed against it. (See R v. London Metal Exch. ex parte Albatros Warehousing Ltd. BV, (unpublished Mar. 30, 2000), Bradley Decl. ex. Q.)

As an RIE, the LME is overseen by the FCA and must comply with the FCA's Sourcebook. (See Bradley Supp. ex. E.) This document requires RIEs to arrange for satisfactory procedures "to ensure that any rights arising in relation to the assets held . . . are held, transferred or acted upon in a timely and accurate manner . . . ." (Id. ex. E ¶ 2.11.3(4).) Various requirements of the Warehouse Agreements correspond to the LME's obligations pursuant to the Recognition Requirements. (See Bradley Decl. ¶¶ 50-51, 55.) The Recognition Requirements have been in force since 2001. (Bradley Supp. ¶ 13.) The current requirements are more detailed than those in place in 1986 at the time of the Albatros decision, which is discussed below. (Id. ¶ 15.) The express obligations in the Recognition Requirements form the basis for the LME's position that its regulation of its approved warehouses are part of its public regulatory function. (Id. ¶ 15.)

In connection with this proceeding, the FCA submitted a letter to the LME stating its view that "the LME's regulation of its warehouses, including its regulation of metal load-out, is necessary for the LME to meet its regulatory obligations as an RIE." (Id. ¶ 16 & ex. G.) In particular, that letter states,

> The LME's arrangements with its network of approved warehouses play an important role in the functioning of the LME's market. Therefore, the FCA, as part of its supervision of the LME, expects LME to ensure that its warehousing arrangements provide effective and efficient services for the receipt, holding, and delivery of metal related to the trading of LME contracts. This is important to enable the LME to meet its regulatory obligations as a RIE.

(Id. ex. G.) The letter continues,

> Consequently, although the operation of RIE-approved warehouses is not, by itself, a FCA regulated activity, the FCA expects LME to have in place arrangements that ensure those warehouses which it approves operate in a way that ensures LME meets its regulatory obligations.

(Id.) The FCA letter also indicates that it views its oversight as comprehensive in this regard:

> In its supervisory oversight of the LME, the FCA will therefore continue to fully engage with LME to monitor the impact of all measures announced by LME, including initiatives such as LME's new Linked Load-In and Load-Out rule, to ensure that such changes are consistent with LME's regulatory obligations under the Recognition Requirements.

(Id.)

The LME and FCA have met regularly and frequently since January 2011 regarding warehouse issues. (Id. ¶ 45.) They have met more than 50 times since

2011 regarding warehousing issues alone. (Id. ex. J.) The LME's load-in and load-rules were among the topics discussed at these meetings. (See id. ¶ 45.) The LME has provided the FCA with data analyses regarding warehouse queues, load out rates, stock levels and warrant cancellations. (Id.)

C. Warehouse Queues

Plaintiffs allege intentional delays in the defendant warehouses' "loading out" of aluminum. (CAC ¶¶ 22-23, 48-49.) A delay in loading out aluminum or any metal is known as a "queue." (Bradley Decl. ¶ 68.) The LME issued its first rule regarding minimum load-out rules in 2003. (Id. ¶ 69.) That rule remained unchanged until 2011. (Id. ¶ 73.)

Between March 2009 and August 2010, the LME received complaints regarding delays in warehouse load-outs. (Id. ¶ 70.) The LME commissioned a report and then held a consultation process for proposed changes to its minimum load-out rules. (Id. ¶¶ 71-72.) The LME then changed its load-out rules. (Id. ¶ 79.) Those changes were challenged by aluminum producer Rusal before a U.K. court, which quashed the LME's decision to implement its new rule. Rusal, [2014] EWHC (Admin) at [104].

On May 14, 2014, the U.K. Court of Appeal granted the LME permission to appeal the Rusal decision. (Id. ¶ 80.) The Court set forth its reasons for granting the appeal as (1) "[t]he judge's analysis, if correct, places onerous obligations on any public body conducting a consultation on complex issues in a politically sensitive area," (2) "[t]he public body must carry out its own preliminary assessment and winnowing in order to provide proper focus for the consultation exercise, as the LME did in this case," and (3) "the grounds of appeal have a real prospect of success." (Id. ¶ 80 & ex. BB.)

II. RULE 12(B)(1) STANDARDS

Determining the existence of subject matter jurisdiction is a threshold inquiry, and a case is properly dismissed under Rule 12(b)(1) of the Federal Rules of Civil Procedure when the district court lacks the constitutional power to adjudicate the action. See Arar v. Ashcroft, 532 F.3d 157, 168 (2d Cir. 2008). "A plaintiff asserting subject matter jurisdiction has the burden of proving by a preponderance of the evidence that it exists." Makarova, 201 F.3d at 113.

"When considering a motion to dismiss for lack of subject matter jurisdiction . . . a court must accept as true all material factual allegations in the complaint." Shipping Fin. Servs. Corp. v. Drakos, 140 F.3d 129, 131 (2d Cir. 1998). "But, when the question to be considered is one involving the jurisdiction of a federal court, jurisdiction must be shown affirmatively, and that showing is not made by drawing from the pleadings inferences favorable to the party asserting it." Id. In addition, for jurisdictional purposes, the Court may resolve disputed factual issues by reference to evidence outside of the pleadings. See Flores v. S. Peru Copper Corp., 343 F.3d 140, 161 n.30 (2d Cir. 2003) (citing Filetech S.A. v. France Telecom S.A., 157 F.3d 922, 932 (2d Cir. 1998)).

III. FSIA LEGAL STANDARDS

The LME argues that it is immune from this suit under the FSIA. The FSIA codifies a "restrictive theory of sovereign immunity." Verlinden B.V. v. Cent. Bank of Nigeria, 461 U.S. 480, 488 (1983). The FSIA provides that a "foreign state shall be immune from the jurisdiction of the Courts of the United States" unless one of several statutorily defined exceptions applies. 28 U.S.C. § 1604. Once a defendant makes a prima facie showing of immunity under § 1604, the burden shifts to the plaintiff to show why one of these statutory exceptions applies. See Virtual Countries, Inc. v. Republic of South Africa, 300 F.3d 230, 241-42 (2d Cir. 2002); accord Robinson v. Gov't of Malaysia, 269 F.3d 133, 141 (2d Cir. 2001). If the plaintiff makes a showing that an exception applies, the burden of proof then shifts back to the defendant to show by a preponderance of the evidence that the asserted exception does not apply. Adler v. Federal Republic of Nigeria, 107 F.3d 720, 728 (9th Cir. 1997).

Thus, to determine that the LME is immune from this suit under the FSIA, the Court must determine (1) that it falls within the definition of a foreign state or, as discussed below, is an "organ" thereof, and (2) that it does not fall within any of the statutory exceptions. In the case before this Court, the latter question centers on the "commercial activity" exception, codified at 28 U.S.C. § 1605(a)(2).

A. Definition of an "Organ" of a Foreign State

The LME does not claim to be a foreign state. Instead, it argues that it is an "organ" of a foreign state. Under the FSIA, any entity "[w]hich is an organ of a foreign state or political subdivision thereof, or a majority of whose shares or other ownership interest is owned by a foreign state or political subdivision thereof" qualifies as an "agency or instrumentality of a foreign state" and is therefore a "foreign state" presumptively immune from suit. See id. §§ 1603(a)-(b), 1604. The FSIA does not itself define the term "organ." To determine whether an entity is an organ of a foreign state, the Court considers the following five factors (which are known as "Filler factors"):

> (1) whether the foreign state created the entity for a national purpose;
>
> (2) whether the foreign state actively supervises the entity;
>
> (3) whether the foreign state requires the hiring of public employees and pays their salaries;
>
> (4) whether the entity holds exclusive rights to some right in the [foreign] country; and
>
> (5) how the entity is treated under foreign state law.

Filler v. Hanvit Bank, 378 F.3d 213, 217 (2d Cir. 2004); see also Kelly v. Syria Shell Petroleum Dev. B.V., 213 F.3d 841, 846–47 (5th Cir. 2000).

No single Filler factor is dispositive or should be given particular weight. See In re Terrorist Attacks on Sept. 11, 2001, 538 F.3d 71, 85 (2d Cir. 2008), abrogated on other grounds by Samantar v. Yousuf, 560 U.S. 305 (2010); Hausler v. JPMorgan Chase Bank, N.A., 845 F. Supp. 2d 553, 572–73 (S.D.N.Y. 2012). Thus, a foreign state need not have any ownership interest in an entity for it to be an "organ" of that state. See USX Corp. v. Adriatic Ins., Co., 345 F.3d 190, 209 (3d Cir. 2003)

("[S]ection 1603(b)(2) does not require a foreign state to have any ownership interest in an entity for it to be its organ.").

Courts must be mindful of the fact that the "instrumentality and its related government" frequently possess most of the information needed to establish organ status. See Hausler, 845 F. Supp. 2d at 572; Weininger v. Castro, 462 F. Supp. 2d 457, 495 (S.D.N.Y. 2006).

B. The Commercial Activity Exception

Under the "commercial activity exception" to the FSIA:

> A foreign state shall not be immune from the jurisdiction of courts of the United States or of the States in any case . . . in which the action is based upon a commercial activity carried on in the United States by the foreign state; or upon an act performed in the United States in connection with a commercial activity of the foreign state elsewhere; or upon an act outside the territory of the United States in connection with a commercial activity of the foreign state elsewhere and that act causes a direct effect in the United States.

28 U.S.C. § 1605(a)(2). Thus, the commercial activity exception may apply to actions based upon either the commercial activity of a foreign state or its organ in the United States, or an act, outside the territory of the United States, in connection with a commercial activity of a foreign state elsewhere, and that causes a direct effect in the United States.

In either instance, the starting point of the analysis is determining whether the action is based on "commercial activity," or whether an action is based on an act in connection with commercial activity. The FSIA defines "commercial activity" as:

> [E]ither a regular course of commercial conduct or a particular commercial transaction or act. The commercial character of an activity shall be determined by reference to the nature of the course of conduct or particular transaction or act, rather than by reference to its purpose.

28 U.S.C. § 1603(d).

The FSIA does not bar a suit based on the organ of a foreign state participating in the marketplace in the manner of a private citizen or corporation. Republic of Argentina v. Weltover, Inc., 504 U.S. 607, 614 (1992). Accordingly:

> [A] foreign government's issuance of regulations limiting foreign currency exchange is a sovereign activity, because such authoritative control of commerce cannot be exercised by a private party; whereas a contract to buy army boots or even bullets is a 'commercial' activity, because private companies can similarly use sales contracts to acquire goods.

Id.

To determine whether an activity is commercial under the FSIA, a court must closely examine the specific acts that form the basis for suit or in connection with which an act was undertaken. For example, in Weltover, the Supreme Court examined whether Argentina's issuance of bonds fell within the commercial activity exception. That case stemmed from a unilateral decision by Argentina to give itself more time to repay bonds, which spurred aggrieved bondholders to sue for breach of contract. Id. at 610-11. Argentina argued that the bonds at issue (which were called "Bonods") differed from ordinary debt instruments in that they were created by the Argentine Government to "fulfill its obligations under a foreign exchange program designed to address a domestic debt credit crisis, and as a component of a program designed to control that nation's critical shortage of foreign exchange." Id. at 616. The Court rejected this argument, finding Argentina's purpose in issuing the bonds to be "irrelevant." Id. at 616-17. Rather, all that mattered was the nature of Argentina's acts: Argentina had entered the U.S. bond market just as a private actor would, and so its bond sales in that market were "commercial activity" within the meaning of the FSIA. See id. at 617. Argentina was thus not immune from suit. Id.

In a more recent case, the Second Circuit stated,

> The FSIA asks not whether the foreign government is acting with a profit motive or instead with the aim of fulfilling uniquely sovereign objectives. Rather, the issue is whether the particular actions that the foreign state performs (whatever the motive behind them) are the type of actions by which a private party engages in 'trade and traffic or commerce.'

In re Terrorist Attacks, 538 F.3d at 91-92 (quoting Weltover, 504 U.S. at 614) (emphasis in original).

In De Letelier v. Republic of Chile, 748 F.2d 790 (2d Cir. 1984), the Second Circuit reversed a finding of sovereign immunity with regard to LAN, Chile's nationally owned airline, which had been implicated in the assassination of Chile's former ambassador to the United States. The Court noted that while LAN's "carriage of passengers and packages is an activity in which a private person could engage," those activities were not the basis for the suit at hand, which concerned LAN's participation in the assassination plot itself. See id. at 797. Because private individuals cannot lawfully assassinate people, the specific conduct at issue could not be "commercial activity," and therefore LAN remained immune from suit under the FSIA. Id. at 797-98.

In Kato v. Ishihara, 360 F.3d 106 (2d Cir. 2004), the Second Circuit found that an organ of Japan, the Tokyo Metropolitan Government ("TMG"), was not engaging in commercial activity by providing business assistance, including product promotion, to Japanese businesses seeking to engage in commerce in the United States. In that case, a Japanese civil servant alleged she had been sexually harassed while employed in TMG's New York office. Id. at 109. Plaintiff argued that her suit fell within the commercial activity exception because her job duties were primarily "commercial" in nature, as they prominently included the sale and promotion of Japanese products. Id. The Second Circuit looked to the nature of TMG's actions and found that they were only superficially similar to actions typically undertaken by private parties. See id. at 112. While a private business might promote its products, promoting those of other businesses or of the Japanese business community more broadly is not something it would ordinarily do. Id. at 112. The Second Circuit emphasized that "the fact that a government instrumentality like TMG is engaged in the promotion of commerce does not mean that the instrumentality is thereby engaged in commerce." Id. (emphasis in original). Thus, TMG was not involved in a commercial activity, and it retained its immunity under the FSIA. Id. at 112-13.[10]

---

[10] Similarly, in EIE Guam Corp. v. Long Term Credit Bank of Japan, Ltd., 322 F.3d 635 (9th Cir. 2003), the Ninth Circuit found that the loan collection activities and administration of non-performing loans by the Resolution and Collection Corporation (the "RCC") were not commercial activities. The Court noted that the RCC was created "expressly to perform a public function,"

Thus far, this Court's discussion of the commercial activity exception has assumed that the conduct at issue occurred in the United States. However, as set forth above, the third clause of the commercial activity exception provides that an act taken in connection with commercial activity which had a direct effect in the United States may have occurred outside the United States. For the third clause of the commercial activity exception to apply, two requirements must be met: "(1) there must be an act outside the United States in connection with commercial activity of the foreign state that causes a direct effect in the United States and (2) the plaintiff's suit must be based upon that act." Transatl. Shiffahrtskontor GmbH v. Shanghai Foreign Trade Corp., 204 F.3d 384, 387 (2d Cir. 2000). With regard to the first requirement, an effect is direct if it follows as an immediate consequence of the act in connection with the defendant's commercial activity. Weltover, 504 U.S. at 618; Virtual Countries, 300 F.3d at 236-37; accord Voest-Alpine Trading USA Corp. v. Bank of China, 142 F.3d 887, 894-95 n.10 (5th Cir. 1998) ("[T]he third clause does not permit jurisdiction over foreign states whose acts cause only speculative, generalized, immeasurable, and ultimately unverifiable effects in the United States."). With regard to the second requirement, the term "'based upon' . . . implies a causal relationship," and thus, "at the least, the 'act that caused a direct effect in the United States' . . . must be a 'but for' cause" of the conduct at issue in the suit." Transatl. Shiffahrtskontor, 204 F.3d at 390.

---

namely the revitalization of the Japanese financial system, and to that end the Japanese government permitted it to perform activities that other loan collectors were not allowed to perform, and fully indemnified it against business losses. Id. at 640.

IV. DISCUSSION

This motion has a non-merits-based focus. At issue is the threshold question of subject matter jurisdiction: can this Court entertain this case against this defendant? The outcome of this decision does not mean that the LME can or cannot be sued in a U.S. court by another party for another matter—the determination here is limited to the facts currently before this Court.

The record here compels the following determinations: (1) the LME is an organ of the U.K. Government; and (2) the LME was not engaging in commercial activity when it allegedly manipulated the load-out rules for aluminum.

A. The LME is an Organ of the U.K. Government[11]

When first presented with this question and without the benefit of having carefully studied the case law in this area, the Court's initial reaction was that the LME was an unlikely candidate for an organ of the U.K. Government. This view was based on the fact that the LME is a privately held and for-profit company and, while subject to extensive governmental regulation, is in that regard simply like many non-governmental entities. However, the Court's review of the relevant case law provided a different yet certain answer.

As previously stated, because the Court is reviewing a jurisdictional motion, it may appropriately review the extensive record that the parties have submitted on this motion. See Makarova, 201 F.3d at 113. With regard to the Filler factors, that record demonstrates by a preponderance of the evidence that, while not formed by the U.K. Government, the LME is charged by statute with performing the decidedly public function of market regulation (an analogous first factor); that the FCA, a conceded agency of the U.K. Government, actively supervises it (the second factor); and U.K. law treats the LME's activities with regard to warehousing load-out rules and practices as part of its immunized public functions (the fifth factor). The record is equally clear that the U.K. Government does not require the LME to hire public employees or pay their salaries (the third factor), nor is the LME the only entity that enjoys the right to act as an RIE in the commodities trade (the fourth factor). Nevertheless, the Court's balancing of these factors tips decidedly in the direction of finding the LME an organ of the U.K. Government.

---

[11] Plaintiffs do not contest that the LME is legally separate from the U.K. Government, is not a U.S. citizen, and was not created under the laws of a third country. Thus, the only issue under § 1603 is whether the LME is an "organ" of the U.K. Government. The Court focuses this portion of its opinion on that question.

With regard to the first Filler factor, market regulation is a public function. See, e.g., Peninsula Asset Mgmt. (Cayman), Ltd. v. Hankook Tire Co., Ltd., 476 F.3d 140, 143-44 (2d Cir. 2007) (entity responsible for regulating Korean financial institutions performed "traditional government functions" and was an agency or instrumentality of a foreign state under the FSIA). The LME undisputedly regulates metals commodities markets—indeed, as an RIE, it is required to do so under the Recognition Requirements, which charge RIEs with protecting the orderly functioning of the market and the interests of investors. (Bradley Decl. ¶¶ 18-20.) In fact, were the LME to fail to adequately regulate the market for aluminum warrants, its status as an RIE could be revoked. (Ong-Seng Decl. ¶ 13.)

With regard to the second Filler factor, the FCA actively supervises the LME—including, in particular, the LME's load-out rules for LME-approved warehouses. (Bradley Supp. ¶ 16 & ex. G.) As set forth above, the FCA has met with the LME over 50 times since 2011 to discuss issues relating to warehousing. (Id. ¶ 45.) Importantly, the FCA itself states that it actively supervises the LME. (Bradley Supp. ex. G.)

Whether an entity is immune under local law is relevant to the fifth Filler factor and therefore whether an entity is immune under the FSIA. See, e.g., Filler, 378 F.3d at 217 ("how the entity is treated under foreign state law" is relevant to determining organ status); Alperin v. Vatican Bank, 360 F. App'x 847, 849-50 (9th Cir. 2009) (entity's immunity from suit under foreign state law relevant to establishing prima facie case that it was entitled to FSIA immunity). Actions taken by the LME with respect to its regulatory functions are immunized under U.K. law absent a showing of bad faith.[12] (Ong-Seng Decl. ex. B § 291.) Additionally and importantly, the U.K. judiciary, in the Albatros and Rusal decisions, has taken the position that the LME is a public body and that its warehousing rules are subject to judicial oversight. (See Bradley Decl. exs. Q, BB.)

The procedures through which aggrieved parties may complain about the LME's actions further confirm its status as a public body. According to the Exchange's handbook on enforcement and disciplinary procedures, if the LME disciplines a warehouse, that warehouse has the right to challenge the fairness of the LME's disciplinary and appeal process through judicial review in a U.K. court. (Id. ¶¶ 60-62). Such judicial review is available because the judiciary views the LME as acting as a public body. (See id. ex. Q (Albatros decision).)

---

[12] Whether the LME is alleged to have acted in bad faith is irrelevant to the Court's analysis of the fifth Filler factor. What matters here is not whether the LME would be immune for its alleged conduct under local law, but whether as a general matter it enjoys a similar degree of immunity to that of an arm of the U.K. Government.

Plaintiffs argue that an analysis of the Filler factors should lead to the opposite conclusion. First, plaintiffs argue that the LME was not created "by" the U.K. Government for a national purpose. As a factual matter, they are undoubtedly correct. However, plaintiffs' reading of the first Filler factor is far too literal. In Filler, the Second Circuit presented factors potentially useful to a court's analysis of organ status. It is certainly appropriate, however, for this Court to extend Filler to its logical conclusion. Here, that means that the first Filler factor is satisfied whenever the entity in question is tasked by a foreign state with fulfilling a national purpose—regardless of whether the foreign state did so when the entity was first created or at a later time. Indeed, one can imagine a case in which an entity is created "by" a government to serve a national purpose (for example, a national telecommunications company or a national railway system) but then is transformed into a privately owned for-profit enterprise. In such a case, it would make little sense to determine that the first Filler factor favors organ status.

Plaintiffs also argue that the LME is merely one of many RIEs, and thus it lacks exclusive rights, which argues against organ status under the fourth Filler factor. That is so and the LME has not argued otherwise. However, because Filler requires a careful balancing of multiple factors, the fact that many companies hold similar rights is not determinative. Furthermore, it would be odd for a court of the United States to second-guess another country's determinations as to how many entities it may require to serve a particular national interest.

Plaintiffs further argue that the LME is not charged with protecting investors or the orderly function of markets—that is the job of the FCA. This argument is unpersuasive. It is true that the FCA is tasked with that function, but that does not mean that the FCA cannot delegate or share that responsibility. Here, the FCA itself submitted a letter indicating its belief that the LME plays such a role. (Bradley Supp. ex. G.)

In addition, plaintiffs argue that the mere fact that the LME is regulated cannot be the basis for determining that it serves a national purpose. Strictly speaking, this is true—otherwise, taken to an extreme, virtually any corporation could lay claim to organ status on the grounds that it must comply with environmental regulations or other regulations that serve a public purpose. Regulation is only important insofar as it is necessary to ensure that the entity serves its national purpose. But the regulations to which the LME is subject do just that—they enable it to fulfill its role as a market regulator, which means that they are relevant under Filler.

Plaintiffs also argue that the FCA merely engages in passive oversight, akin to that found insufficient for establishing organ status by the Ninth Circuit in Board of Regents of the University of Texas System v. Nippon Telephone & Telegraph Corp., 478 F.3d 274, 279-80 (9th Cir. 2007). The facts before the Court on this motion are far different from those in Nippon. Here, the record demonstrates that the FCA actively meets with the LME regarding the very conduct at issue (specifically, warehousing rules and queues), and there have been more than 50 such meetings in the past several years alone. (Bradley Supp. ex. J.) The FCA has also submitted a letter referring to its active oversight. (Id. ex. G.).

Finally, plaintiffs point out that following the public revelation of the warehouse queues that form the basis for their claims in this suit, the FCA stated on July 11, 2013 that the "LME's warehousing arrangements are not directly regulated by the FCA." (See Declaration of Bonny E. Sweeney, ECF No. 368 ex. 16 ("Sweeney Decl.").) The FCA recently repeated this statement in a February 2014 publication. (See id. ex. 17 at 4 ("The operation of warehouses licensed by RIEs is not a regulated activity.").) That position is not inconsistent, however, with active supervision. Supervision and oversight are not the same as regulation. The former involve the review of an entity's decisions and actions; the latter involves the setting of rules as to what decisions and actions are permissible in the first place. Regulation may, but need not, be combined with supervision, and supervision may occur in the absence of regulation.

Here, the FCA both regulates the LME through the Recognition Requirements and the FCA Sourcebook, and provides supervisory oversight of the LME's warehousing arrangements. Indeed, in the letter the FCA submitted to the LME in connection with these proceedings, it stated that "the FCA expects LME to have in place arrangements that ensure those warehouses which it approves operate in a way that ensures LME meets its regulatory obligations," and that the FCA "monitor[s] the impact of all measures announced by LME . . . such as LME's new Linked Load-In and Load-Out rule, to ensure that such changes are consistent with LME's regulatory obligations under the Recognition Requirements." (Bradley Supp. ex. G.) Plaintiffs' argument that the FCA has publicly disclaimed any responsibility for regulating or actively supervising the LME is therefore without merit. This general oversight and regulation renders a particular focus on whether the FCA specifically regulates the warehouse rules themselves irrelevant.

Based on the Court's balancing of the Filler factors, as well as the principles underlying those factors, the Court finds that the LME is an organ of the U.K. Government.

B. The Commercial Activity Exception

What is the conduct in which the LME is alleged to have engaged that gives rise to plaintiffs' claims? That answer is clear: it is alleged to have entered into a conspiracy with a variety of entities to manipulate its own warehouse load-out rules in order to restrain aluminum output and increase the price of aluminum.[13]

The Court's determination of whether such alleged activity constitutes "commercial" activity begins with the language of § 1603. The statute requires that the Court look to the nature of the activity—not its purpose. Thus, the LME's motivations for engaging in such behavior are of no concern to this Court.[14] Put bluntly, under both the statute and Supreme Court precedent, whether the LME manipulated its load-out rules to make more money is irrelevant to whether its doing so was a "commercial" activity as defined by § 1603.

---

[13] Plaintiffs do not specifically allege where the conduct that forms the basis for their claims against the LME occurs, but they clearly allege that this conduct had direct effects on the aluminum market in the United States. Therefore, regardless of where the LME decided to enter the conspiracy or set warehouse rules, one of the commercial activity exception's clauses will be satisfied, and the result will be the same. Accordingly, the Court need only discuss whether the LME's setting of warehouse rules is commercial activity within the meaning of § 1603.

As set forth above, it is clear that the LME's warehouse rules serve a vital and necessary role in enabling the LME to regulate the aluminum market. They store the aluminum, issue and cancel warrants, and perform the required load-in and load-out procedures. (Bradley Decl. ¶¶ 35-39, 54.) These activities are governed by the Warehouse Agreement, and failure to comply with the obligations therein can lead to a fine or delisting. (Id. ¶ 60.) The load-out rules—the manipulation of which plaintiffs allege is the means by which the antitrust conspiracy was effected—are a form of market regulation implemented by the LME, and are therefore regulatory, not commercial, in nature.

Further evidence of the regulatory nature of the alleged activity is the fact that the LME must announce any changes to such rules and allow for comment before implementation. (Bradley Supp. ¶ 18; 2d Bradley Supp. ¶ 3.) In the event a party feels aggrieved by a rule change, that party may appeal to a court of law (Bradley Decl. ¶ 66; Bradley Supp. ¶ 18), a process reserved for contesting rulemaking by public (versus private) bodies (see Rusal, Bradley Decl. ex. R).

---

[14] For this reason, whether the LME is alleged to have engage in the conduct at issue in bad faith is irrelevant to determining whether this conduct constitutes commercial activity under § 1603.

Plaintiffs argue that when the LME and defendants allegedly conspired to restrain output and thereby raise aluminum prices, they were not acting as a market regulator. Defendant LME counters that this is an inappropriate inquiry into "why" the alleged conduct was undertaken, that is, its "purpose," and the proper inquiry is into whether the nature of the alleged act was that of a private actor or market regulator. As set forth above, this Court agrees with the LME.

It is persuasive to this Court that there is an elaborate process that can and, in Rusal was, undertaken to raise complaints regarding load-out rules. In the context of this particular motion, it would be odd indeed for this Court to find that it had subject-matter jurisdiction and proceed with a legal determination as to the legality of practices regarding load-out obligations, when a U.K. court or the FCA may—on the basis that the LME is a public body—be conducting its own, independent review. Indeed, as the FCA stated in the letter it submitted in connection with this motion, it continues to monitor the situation.

Plaintiffs also argue that the LME's arrangements vis-à-vis warehouses are quintessentially commercial in nature. They argue that such arrangements are contractual and therefore necessarily commercial. This Court again disagrees. It is true that the arrangements are contractual—but not all contractual arrangements are commercial in nature. There are numerous instances in which a public organ might use a contractual arrangement to fulfill its public function. Here the contractual provisions at issue—specifically, those relating to load-out requirements[15]—serve a regulatory purpose. Indeed, these contractual provisions were not negotiated at arms-length, but rather were offered on a mandatory, "take it or leave it" basis, which further confirms that they are regulatory and not commercial in nature.

V. CONCLUSION

For the reasons set forth above, the LME's motion to dismiss on sovereign immunity grounds is GRANTED. Leave to replead is denied. The basis for the Court's decision is both legal and factual, and the factual record here has been amply developed. No amendment could change this Court's determination.

The Clerk of Court is directed to close the motion at ECF No. 320.

SO ORDERED.

Dated: New York, New York
August 25, 2014

K B. Forrest

KATHERINE B. FORREST
United States District Judge

---

[15] Plaintiffs do not allege that the setting of rental rates gives rise to their claims. Rather, their claims are based on the assertion that increases in the duration of aluminum storage at LME-approved warehouses caused output constraints and also unnecessarily increased the "all-in" price for aluminum. Accordingly, the contractual provisions concerning rental rates are not directly at issue.

LONDON METAL EXCHANGE

LME POLICY REGARDING THE APPROVAL OF WAREHOUSES, REVISED 1 FEBRUARY 2015

A) Warehouse companies

Warehouse companies will be considered for listing in an existing or new location subject to completion of a warehouse agreement application form supported by evidence of insurance, capital adequacy and other documents as detailed by the LME from time to time. Inspection of premises offered for warehousing to the LME will take place prior to any listing to ensure they suit the logistical nature of the location as required by the LME. The LME will state its needs in this respect when sending the applicant the application form.

B) Warehouses

1. Road connection to major highways is mandatory.

2. Rail loading facilities adjacent to the warehouses will be required if, in the opinion of the LME, this service is routinely required by the metals trade. Warehouses without direct rail connections in such locations may be considered for listing if it can be demonstrated that adequate shuttle services to the rail head are provided by the warehouse company at its own cost and risk.

3. Water loading facilities adjacent to the warehouse or otherwise will be treated in the same way as rail.

The LME, respecting such confidentiality as it deems necessary and appropriate, will undertake its own enquiries, as it sees fit, from its members/trade entities etc. to evaluate any applications prior to submission to EXCOM for consideration.

C) Common standards of working practices and facilities for warehouses

1. For each 2500m^2 of space (not including open storage compounds for steel) there must be access by means of an operational door for vehicle loading/unloading, with a minimum of 2 doors per warehouse.

2. The minimum daily delivery tonnage must be in accordance with the tables below. Where the delivery requests exceed the minimum daily delivery tonnage for the capacity on the table below, the LME will regard the standard as applying over the number of days necessary to complete the deliveries, as per the table (e.g. if the requests for the delivery of 2000 tonnes apply to a warehouse's location capacity of 2500 sq. metres, the standard would be to deliver in 3 days with no reference to the performance on any one of those days). The LME would, however, expect the warehouse company to act reasonably when allocating the tonnage delivered out in each of those days.

warehouse company's authorised space per location, in m^2 (excluding steel storage facilities)	minimum daily delivery tonnage for all metals (excluding cobalt, RMC and steel)
2,500	800 tonnes
5,000	1,200 tonnes
7,500	1,500 tonnes

The above table applies to all companies who are storing up to 300,000 metric tonnes of metal. For companies who are storing 300,000 metric tonnes and above the following table is applicable

warehouse company's tonnage stored per location (excluding steel)	minimum daily delivery tonnage for all metals (excluding cobalt, RMC and steel)
300,000 tonnes to 599,999 tonnes	2,000 tonnes
600,000 tonnes to 899,999 tonnes	2,500 tonnes
900,000 tonnes and over	3,000 tonnes

NB: The daily delivery tonnage is for deliveries out only and does not include deliveries in.

3. Where a warehouse company's tonnage stored increases beyond any of the 300,000, 600,000 or 900,000 tonnes thresholds, the applicable revised minimum daily delivery tonnage shall have effect from the date which is 30 days from the date the threshold is passed. This will allow the warehouse company to implement the necessary scheduling changes in order to meet the increased minimum daily delivery tonnage. However, where a warehouse company's tonnage stored falls beneath any of the 300,000, 600,000 or 900,000 tonnes thresholds, a warehouse company will still be required to deliver out all outstanding deliveries scheduled on or prior to the date the tonnage falls beneath such threshold.

4. In addition to the daily rates stipulated above and below, a warehouse company in any location who satisfies the following conditions:-
   (a) the warehouse company has scheduled delivery out commitments of 30,000 metric tonnes or more; and
   (b) a minimum of 30,000 metric tonnes of those scheduled commitments are for one metal (the "dominant metal");
   shall be required to deliver out a minimum of 500 metric tonnes per day in that location of metals other than the dominant metal, provided that such deliveries are requested.

5. In addition to the daily rates stipulated above and below, warehouse companies delivering out the minimum rates stipulated above and below will be required to deliver out an additional, combined tonnage of tin or nickel, or a combination of both metals, in order to ensure that at least 60 tonnes of these metals is being delivered out each day. For the avoidance of doubt, the extra 60 tonnes would

only be required to be delivered out if the warehouse company had reached its minimum daily load out rate (whether or not the requirement in paragraph 4 above has been triggered) and not delivered out 60 tonnes per day of tin and/or nickel as part of these deliveries.

6. The daily delivery out rate does not include deliveries out for cobalt and roasted molybdenum concentrate (RMC). Any deliveries out for either of these metals must be in addition to the rates stipulated in the above table.

7. The daily delivery out rate does not include deliveries out for steel billet. For each location in which it is licensed to store steel billet, a warehouse company must load out in accordance with the minimum requirements stipulated in the tables below, provided demand is present.

warehouse company's authorised space per location, in m^2 (steel storage facilities only)	minimum daily delivery tonnage for steel
2,500	800 tonnes
5,000	1,200 tonnes
7,500	1,500 tonnes

The above table applies to all companies who are storing up to 300,000 metric tonnes of steel. For companies who are storing 300,000 metric tonnes and above the following table is applicable:

warehouse company's tonnage stored per location (steel only)	minimum daily delivery tonnage for steel
300,000 tonnes to 599,999 tonnes	2,000 tonnes
600,000 tonnes to 899,999 tonnes	2,500 tonnes
900,000 tonnes and over	3,000 tonnes

8. The LME recognises that it may not be possible to achieve exactly the same delivery rates if delivery into containers, vans or railcars is required. In assessing a warehouse company's performance, the circumstances will be taken into account.

9. Once all formalities permitting delivery have been completed the warehouse shall prioritise all requests for deliveries out on the basis of 48 hours notice and strictly in the order in which they are received, unless the Warrant holders seeking cancellation agree otherwise.

10. In addition to their rent and FOT charges, warehouse companies are also required to supply the LME with a comprehensive set of charges for delivery out of warranted metal and will undertake to immediately advise the LME of any changes thereto. Warehouse companies are also required to submit to the LME compulsory port tariffs for the import and export of metal.

11. There should be no charges above the FOT for returning the metal to the warehouse companies approved and nominated loading berths within the location where the LME discerns a need for such transportation; the unloading of such metal from the truck being for the receiver's account.

12. Similarly there should be no charges above the FOT for returning metal to the nearest railhead where the LME discerns a need for such transportation.

13. Warehouse Companies are reminded that, in general, the daily delivery tonnages set out in this policy are minimum delivery out requirements, not minimum scheduling requirements. However, metals owners are also reminded of their obligations in respect of observing reasonable logistical arrangements in respect of metal collection. In particular, in the event that no metal owner wishes to avail themselves of a delivery slot offered on a reasonable basis, a warehouse operator will be permitted to count the tonnage which would have been delivered in that slot towards delivery out.

With the exception of the FOT charge and port tariffs for the export of metal the warehouse company may not impose any compulsory additional charges when delivering metal out.

D) Continued compliance with the LME policy for warehouses

1. In the event that an existing approved warehouse/warehouse company does not appear to meet the LME's criteria, there will be an initial consultation with the warehouse company concerned.

2. If the warehouse company can demonstrate that it will upgrade facilities or work practices to meet the LME's new standards, the LME will consider the appropriate amount of time to allow for such a process. Warehouses could, for example, be given, say, 6-12 months to upgrade their facilities or relocate to a more suitable building within the location, but this would be determined on a case by case basis, according to the circumstances.

3. If after consultation the warehouse company is unwilling or unable to upgrade its facilities or work practices to meet the LME's standards, the LME retains the right to restrict the capacity of that warehouse company in that location or even delist it. In particular, if a warehouse company fails to comply with the Linked Load-In and Load-Out Requirements per Section F, then the Board may (among other actions) restrict the ability of that warehouse company to create warrants in that location until load-in and load-out are brought into alignment pursuant to the requirements.

4. Prior to implementation, the LME would give the necessary notice of any action to be taken to the warehouse company and allow for formal representations to be made.

E) Review of LME policy for warehouses

This policy will be reviewed at least on a biennial basis

F) Linked Load-In and Load-Out Requirements

1. Principle

The general principle of this requirement is to link load-in and load-out for Warehouses with queues of greater than 50 calendar days (the "**Queue Threshold**").

2. Definitions

A Warehouse ("**Warehouse**") is all of the LME-licensed storage facilities operated by a particular warehousing company in a particular LME good delivery location.

In relation to a particular Warehouse, a Business Day ("**Business Day**") is any day on which that particular Warehouse is operating and subject to the current LME minimum load-out requirement.

The Preliminary Calculation Period ("**Preliminary Calculation Period**") shall be the period between 1 July 2013 and 31 January 2015, inclusive.

The First Calculation Period ("**First Calculation Period**") shall be the period between 1 February 2015 and 30 April 2015, inclusive.

Each subsequent Calculation Period ("**Calculation Period**") shall be the three months immediately following the preceding Calculation Period. By way of example, the Second Calculation Period ("**Second Calculation Period**") shall be the period between 1 May 2015 and 31 July 2015, inclusive (being the three months immediately following the First Calculation Period).

The Preliminary Discharge Period, (the "**Preliminary Discharge Period**") which will apply in relation to the Preliminary Calculation Period, will be the three month period between 1 March 2015 and 31 May 2015, inclusive.

For each subsequent Calculation Period, the related Discharge Period (i.e. the period during which the Incremental Load-Out Requirement calculated in accordance with paragraph 4 below must be met) shall be the three month period starting on the date one calendar month following the end of that Calculation Period (the "**Discharge Period**").

By way of example, the First Discharge Period shall be the period between 1 June 2015 and 31 August 2015, inclusive (being the three month period starting on the date one calendar month following the end of the First Calculation Period) (the "**First Discharge Period**").

In relation to a particular Warehouse on any given Business Day, the Normal Daily Minimum Load-Out Rate is the amount of metal required to be loaded out according to the LME requirements set out in Section C of this Policy (the "**Normal Daily Minimum Load-Out Rate**") as follows:

(a) If, on the Business Day in question, a Warehouse is required to make an additional load-out of non-dominant metal (pursuant to paragraph 4 of Section C above), such additional load-out will be counted towards the Normal Daily Minimum Load- Out Rate for the Business Day in question.

(b) If, on the Business Day in question, a Warehouse is required to make an additional load-out of nickel and tin (pursuant to paragraph 5 of Section C above), such additional load-out will be counted towards the Normal Daily Minimum Load-Out Rate for the Business Day in question.

(c) Load-out of cobalt and roasted molybdenum concentrate ("**RMC**") (paragraph 6 of Section C above) and steel billet (paragraph 7 of Section C above) will not be counted towards the Normal Daily Minimum Load-Out Rate, given that these metals are treated separately for the purposes of Warehouse load-out rates.

Re-warranted Metal ("**Re-warranted Metal**") is metal in respect of which a warrant has been cancelled, but has not been loaded out of the Warehouse (due to the presence of a queue or other operational constraint), and in respect of which the metal owner has requested that the Warehouse issues a new warrant (and hence reverses the original request to deliver out that metal).

3. Affected Warehouses

On any given Business Day, an Affected Warehouse is a Warehouse with a queue of greater than the Queue Threshold (the "**Affected Warehouse**"). Queue lengths will continue to be measured and reported to the LME by warehouse operators, with the LME continuing to exercise oversight in respect of such measurements. For the avoidance of doubt, to the extent that a Warehouse has scheduled deliveries pursuant to any Incremental Load-Out Requirement arising per this policy, then the queue length may take into account such incremental scheduled deliveries.

4. Calculating the Incremental Load-Out Requirement

The Incremental Load-Out Requirement shall mean the additional amount of metal that must be discharged by a Warehouse during the course of the relevant Discharge Period, over and above the load-out required by the Normal Daily Minimum Load-Out Rate on each day of that Discharge Period (the "**Incremental Load-Out Requirement**"). The Incremental Load-Out Requirement is derived on the final day of the relevant Calculation Period, as set out more fully in this section F, paragraph 4.

(a) During the Preliminary Calculation Period, each Warehouse shall maintain the calculation of its Cumulative Incremental Load-Out Quantity which is the quantity set to zero at the beginning of the Preliminary Calculation Period and increased incrementally on each Business Day of the Preliminary Calculation Period by the process set out in this section F, paragraph 4(a) (the "**Cumulative Incremental Load-Out Quantity**").

During the Preliminary Calculation Period, on each Business Day, the following value will be added to the Cumulative Incremental Load-Out Quantity:

> *the amount of new metal placed on-warrant in the Warehouse on the Business Day in question (which, for the avoidance of doubt, shall not include Re-warranted Metal)*
>
> **less**
>
> *the **higher of** (i) the Normal Daily Minimum Load-Out Rate, and (ii) the actual amount of metal loaded-out of the Warehouse on the Business Day in question – provided that, for the purposes of (ii), load-out in excess of the Normal Daily Minimum Load-Out Rate which is made to compensate for a shortfall in load-out on a previous or subsequent Business Day (due, inter alia, to scheduling variations within a single load-out request per paragraph 2 of Section C above) shall not count towards the actual amount of metal loaded-out of the Warehouse*

On the final Business Day of the Preliminary Calculation Period, a Warehouse shall establish whether it is an Affected Warehouse at the end of that Business Day. If (i) the Warehouse is not an Affected Warehouse, or (ii) the calculated Cumulative Incremental Load-Out Quantity is less than or equal to zero, then the Incremental Load-Out Requirement for the Preliminary Calculation Period shall be set to zero, and no additional load-out requirements will hence be incurred during the Preliminary Discharge Period. If (i) the Warehouse is an Affected Warehouse, and (ii) the calculated Cumulative Incremental Load-Out Quantity is greater than zero, then the Incremental Load-Out Requirement for the Preliminary Calculation Period shall be set to the Cumulative Incremental Load-Out Quantity in relation to the Preliminary Calculation Period, and must be satisfied by the Warehouse during the Preliminary Discharge Period as set out in paragraph 5 below.

(b) During the First Calculation Period, and each subsequent Calculation Period, a Warehouse shall measure its Cumulative Load-In and Cumulative Normal Minimum Load-Out. Cumulative Normal Minimum Load-Out shall mean the sum of metal across every Business Day of the relevant Calculation Period that a Warehouse is required to load-out pursuant to the Normal Daily Minimum Load Out Rate (the "**Cumulative Normal Minimum Load-Out**"). Cumulative Load-In shall mean the sum, increased incrementally each Business Day of the relevant Calculation Period, of metal that the Warehouse loads-in during the relevant Calculation Period (the "**Cumulative Load-In**"). Both quantities will be set to zero at the beginning of the Calculation Period.

For each Business Day during the Calculation Period, the Cumulative Load-In will be increased by the amount of new metal placed on-warrant in the Warehouse on the Business Day in question (which, for the avoidance of doubt, shall not include Re-warranted Metal).

For each Business Day during the Calculation Period, the Cumulative Normal Minimum Load-Out will be increased by the Normal Daily Minimum Load-Out Rate for the Business Day in question.

At the end of the Calculation Period, and if the Warehouse has been an Affected Warehouse on any Business Day during that Calculation Period, then the Incremental Load-Out Requirement will be calculated as:

> *0.5 (the "**Decay Factor**") **multiplied by** the Cumulative Load-In, up to and including the Cumulative Normal Minimum Load-Out*
>
> ***plus***
>
> *the Cumulative Load-In above the Cumulative Normal Minimum Load-Out.*

For the avoidance of doubt, if the Warehouse has not been an Affected Warehouse on any day during that Calculation Period, then the Incremental Load-Out Requirement will be zero in respect of that Calculation Period.

5. Discharging the Incremental Load-Out Requirement

At the end of each Calculation Period, the then current Incremental Load-Out Requirement must be satisfied by the Warehouse during the Discharge Period associated with the Calculation Period having just concluded, provided load-out demand is present.

During the associated Discharge Period, the Warehouse will be required to load-out the Incremental Load-Out Requirement, in addition to its load-out obligations in accordance with Section C above. For the avoidance of doubt, the Warehouse will not be held to any particular daily incremental load-out rate – however, in aggregate over the course of the Discharge Period, the full Incremental Load-Out Requirement must be satisfied.

6. Adjusting the Decay Factor and/or Queue Threshold

The LME, acting reasonably, reserves the right to adjust the Decay Factor and/or the Queue Threshold either on a market-wide basis or on a per-Warehouse basis in order to enhance the orderly functioning of the market or to prevent abusive behaviour or for any other reason.

7. A worked example of the calculation

This worked example is provided for illustrative purposes only and should not be relied upon for any reason.

(a) Consider a notional Warehouse with stocks of 2,000,000 tonnes of a single metal. Pursuant to the LME Policy Regarding the Approval of Warehouses, revised 1 February 2015, the Normal Daily Minimum Load-Out Rate is 3,000 tonnes per Business Day. Consider further that the Warehouse chooses to load-out precisely its Normal Daily Minimum Load-Out Rate (3,000 tonnes) on each Business Day.

(b) Consider that, of the Warehouse's stocks, 1,000,000 tonnes are represented by cancelled metal. Assuming that owners of all of the cancelled metal have completed the necessary formalities, then the Warehouse's load-out queue will hold 1,000,000 tonnes of metal. At a load-out rate of 3,000 tonnes per Business Day, the queue length will be:

> 1,000,000 tonnes / 3,000 tonnes per Business Day
> = 333.3 Business Days
> = 465.3 calendar days (assuming all weekdays are Business Days)

For the avoidance of doubt, in practice, the queue length will be determined by the Warehouse concerned on the basis of schedules provided to metal owners.

(c) Consider that the Warehouse places on-warrant a constant amount of 3,100 tonnes per Business Day. Consider also that, on each Business Day, warrant holders cancel an amount of 3,000 tonnes of metal (thus balancing the delivery out of 3,000 tonnes per Business Day, resulting in a constant queue length until such time as the Incremental Load-Out Requirement comes into effect). There is assumed to be no re-warranting of metal in this scenario.

(d) At the start of the Preliminary Calculation Period (1 July 2013), the Cumulative Incremental Load-Out Quantity is zero.

On each day during the Preliminary Calculation Period, the following value will be added to the Cumulative Incremental Load-Out Quantity:

> *the amount of new metal placed on-warrant in the Warehouse on the Business Day in question (which, for the avoidance of doubt, shall not include Re-warranted Metal) (3,100 tonnes)*
>
> ***less***
>
> *the **higher of** (i) the Normal Daily Minimum Load-Out Rate (3,000 tonnes), and (ii) the actual amount of metal loaded-out of the Warehouse on the Business Day in question (also 3,000 tonnes)*
>
> *= 3,100 tonnes – 3,000 tonnes = 100 tonnes*

(e) At the end of the Preliminary Calculation Period (31 January 2015), and assuming that each weekday during the Preliminary Calculation Period is a Business Day for the Warehouse (resulting in a total of 415 Business Days during the Preliminary Calculation Period), then the Cumulative Incremental Load-Out Quantity will total 41,500 tonnes.

Given that, per (c) above, the queue will have retained a constant length, the queue length at the end of the Preliminary Calculation Period will remain at 465.3 calendar days. On this basis, the queue length is greater than 50 days, and the Warehouse is hence an Affected Warehouse at the end of the Preliminary Calculation Period.

Given that, on the final Business Day of the Preliminary Calculation Period, (i) the Warehouse is an Affected Warehouse, and (ii) the calculated Cumulative Incremental Load-Out Quantity is greater than zero, then the Incremental Load-Out Requirement will be set to the Cumulative Incremental Load-Out Quantity (41,500 tonnes), and must be satisfied by the Warehouse during the Preliminary Discharge Period.

(f) During the Preliminary Discharge Period (1 March 2015 to 31 May 2015), the Warehouse will be required to load-out the Incremental Load-Out Requirement relating to the Preliminary Calculation Period (41,500 tonnes in total over the course of the Preliminary Discharge Period), in addition to its Normal Daily Minimum Load-Out Rate of 3,000 tonnes per Business Day.

(g) At the start of the First Calculation Period (1 February 2015), the Cumulative Load-In and Cumulative Normal Minimum Load-Out are set to zero.

On each day during the First Calculation Period, the Cumulative Load-In will be increased by the amount of new metal placed on-warrant in the Warehouse on the Business Day in question (which, for the avoidance of doubt, shall not include Re-warranted Metal) – in this case 3,100 tonnes.

On each day during the First Calculation Period, the Cumulative Normal Minimum Load-Out will be increased by the Normal Daily Minimum Load-Out Rate for the Business Day in question – in this case 3,000 tonnes.

(h) At the end of the First Calculation Period (30 April 2015), and assuming that each weekday during the First Calculation Period is a Business Day for the Warehouse (resulting in a total of 64 Business Days during the First Calculation Period), then the Cumulative Load-In will total 198,400 tonnes, and the Cumulative Normal Minimum Load-Out will total 192,000 tonnes.

On the basis that the Warehouse has been an Affected Warehouse for at least one Business Day during the First Calculation Period, then the Incremental Load-Out Requirement will be calculated as follows:

> *the Decay Factor **multiplied by** the Cumulative Load-In, up to and including the Cumulative Normal Minimum Load-Out*
>
> ***plus***

the Cumulative Load-In above the Cumulative Normal Minimum Load-Out

= 0.5 x 192,000 + (198,400 - 192,000) = 96,000 + 6,400
= 102,400 tonnes

(i) During the First Discharge Period (1 June 2015 to 31 August 2015), the Warehouse will be required to load-out the Incremental Load-Out Requirement relating to the First Calculation Period (102,400 tonnes in total over the course of the First Discharge Period), in addition to its Normal Daily Minimum Load-Out Rate of 3,000 tonnes per Business Day, provided load-out demand is present.

(j) This process continues through the Second Calculation Period (and associated Second Discharge Period), Third Calculation Period (and associated Third Discharge Period) and so on, until such time as the Warehouse ceases to be an Affected Warehouse.

LME POLICY REGARDING THE APPROVAL OF WAREHOUSES, REVISED 1 FEBRUARY 2015~~APRIL 2014~~

(Comparison to version of Policy currently in place)

A) Warehouse companies

Warehouse companies will be considered for listing in an existing or new location subject to completion of a warehouse agreement application form supported by evidence of insurance, capital adequacy and other documents as detailed by the LME from time to time. Inspection of premises offered for warehousing to the LME will take place prior to any listing to ensure they suit the logistical nature of the location as required by the LME. The LME will state its needs in this respect when sending the applicant the application form.

B) Warehouses

1. Road connection to major highways is mandatory.

2. Rail loading facilities adjacent to the warehouses will be required if, in the opinion of the LME, this service is routinely required by the metals trade. Warehouses without direct rail connections in such locations may be considered for listing if it can be demonstrated that adequate shuttle services to the rail head are provided by the warehouse company at its own cost and risk.

3. Water loading facilities adjacent to the warehouse or otherwise will be treated in the same way as rail.

The LME, respecting such confidentiality as it deems necessary and appropriate, will undertake its own enquiries, as it sees fit, from its members/trade entities etc. to evaluate any applications prior to submission to EXCOM for consideration.

C) Common standards of working practices and facilities for warehouses

1. For each 2500m^2 of space (not including open storage compounds for steel) there must be access by means of an operational door for vehicle loading/unloading, with a minimum of 2 doors per warehouse.

2. The minimum daily delivery tonnage must be in accordance with the tables below. Where the delivery requests exceed the minimum daily delivery tonnage for the capacity on the table below, the LME will regard the standard as applying over the number of days necessary to complete the deliveries, as per the table (e.g. if the requests for the delivery of 2000 tonnes apply to a warehouse's location capacity of 2500 sq. metres, the standard would be to deliver in 3 days with no reference to the performance on any one of those days). The LME would, however, expect the warehouse company to act reasonably when allocating the tonnage delivered out in each of those days.

warehouse company's authorised space per location, in m² (excluding steel storage facilities)	minimum daily delivery tonnage for all metals (excluding cobalt, RMC and steel)
2,500	800 tonnes
5,000	1,200 tonnes
7,500	1,500 tonnes

The above table applies to all companies who are storing up to 300,000 metric tonnes of metal. For companies who are storing 300,000 metric tonnes and above the following table is applicable

warehouse company's tonnage stored per location (excluding steel)	minimum daily delivery tonnage for all metals (excluding cobalt, RMC and steel)
300,000 tonnes to 599,999 tonnes	2,000 tonnes
600,000 tonnes to 899,999 tonnes	2,500 tonnes
900,000 tonnes and over	3,000 tonnes

NB: The daily delivery tonnage is for deliveries out only and does not include deliveries in.

3. Where a warehouse company's tonnage stored increases beyond any of the 300,000, 600,000 or 900,000 tonnes thresholds, the applicable revised minimum daily delivery tonnage shall have effect from the date which is 30 days from the date the threshold is passed. This will allow the warehouse company to implement the necessary scheduling changes in order to meet the increased minimum daily delivery tonnage. However, where a warehouse company's tonnage stored falls beneath any of the 300,000, 600,000 or 900,000 tonnes thresholds, a warehouse company will still be required to deliver out all outstanding deliveries scheduled on or prior to the date the tonnage falls beneath such threshold.

4. In addition to the daily rates stipulated above and below, a warehouse company in any location who satisfies the following conditions:-
   (a) the warehouse company has scheduled delivery out commitments of 30,000 metric tonnes or more; and
   (b) a minimum of 30,000 metric tonnes of those scheduled commitments are for one metal (the "dominant metal");

   shall be required to deliver out a minimum of 500 metric tonnes per day in that location of metals other than the dominant metal, provided that such deliveries are requested.

5. In addition to the daily rates stipulated above and below, warehouse companies delivering out the minimum rates stipulated above and below will be required to deliver out an additional, combined tonnage of tin or nickel, or a combination of both metals, in order to ensure that at least 60 tonnes of these metals is being delivered out each day. For the avoidance of doubt, the extra 60 tonnes would

only be required to be delivered out if the warehouse company had reached its minimum daily load out rate (whether or not the requirement in paragraph 4 above has been triggered) and not delivered out 60 tonnes per day of tin and/or nickel as part of these deliveries.

6. The daily delivery out rate does not include deliveries out for cobalt and roasted molybdenum concentrate (RMC). Any deliveries out for either of these metals must be in addition to the rates stipulated in the above table.

7. The daily delivery out rate does not include deliveries out for steel billet. For each location in which it is licensed to store steel billet, a warehouse company must load out in accordance with the minimum requirements stipulated in the tables below, provided demand is present.

warehouse company's authorised space per location, in m^2 (steel storage facilities only)	minimum daily delivery tonnage for steel
2,500	800 tonnes
5,000	1,200 tonnes
7,500	1,500 tonnes

The above table applies to all companies who are storing up to 300,000 metric tonnes of steel. For companies who are storing 300,000 metric tonnes and above the following table is applicable:

warehouse company's tonnage stored per location (steel only)	minimum daily delivery tonnage for steel
300,000 tonnes to 599,999 tonnes	2,000 tonnes
600,000 tonnes to 899,999 tonnes	2,500 tonnes
900,000 tonnes and over	3,000 tonnes

8. The LME recognises that it may not be possible to achieve exactly the same delivery rates if delivery into containers, vans or railcars is required. In assessing a warehouse company's performance, the circumstances will be taken into account.

9. Once all formalities permitting delivery have been completed the warehouse shall prioritise all requests for deliveries out on the basis of 48 hours notice and strictly in the order in which they are received, unless the Warrant holders seeking cancellation agree otherwise.

10. In addition to their rent and FOT charges, warehouse companies are also required to supply the LME with a comprehensive set of charges for delivery out of warranted metal and will undertake to immediately advise the LME of any changes thereto. Warehouse companies are also required to submit to the LME compulsory port tariffs for the import and export of metal.

11. There should be no charges above the FOT for returning the metal to the warehouse companies approved and nominated loading berths within the location where the LME discerns a need for such transportation; the unloading of such metal from the truck being for the receiver's account.

12. Similarly there should be no charges above the FOT for returning metal to the nearest railhead where the LME discerns a need for such transportation.

13. Warehouse Companies are reminded that, in general, the daily delivery tonnages set out in this policy are minimum delivery out requirements, not minimum scheduling requirements. However, metals owners are also reminded of their obligations in respect of observing reasonable logistical arrangements in respect of metal collection. In particular, in the event that no metal owner wishes to avail themselves of a delivery slot offered on a reasonable basis, a warehouse operator will be permitted to count the tonnage which would have been delivered in that slot towards delivery out.

With the exception of the FOT charge and port tariffs for the export of metal the warehouse company may not impose any compulsory additional charges when delivering metal out.

D) Continued compliance with the LME policy for warehouses

1. In the event that an existing approved warehouse/warehouse company does not appear to meet the LME's criteria, there will be an initial consultation with the warehouse company concerned.

2. If the warehouse company can demonstrate that it will upgrade facilities or work practices to meet the LME's new standards, the LME will consider the appropriate amount of time to allow for such a process. Warehouses could, for example, be given, say, 6-12 months to upgrade their facilities or relocate to a more suitable building within the location, but this would be determined on a case by case basis, according to the circumstances.

3. If after consultation the warehouse company is unwilling or unable to upgrade its facilities or work practices to meet the LME's standards, the LME retains the right to restrict the capacity of that warehouse company in that location or even delist it. In particular, if a warehouse company fails to comply with the Linked Load-In and Load-Out Requirements per Section F, then the Board may (among other actions) restrict the ability of that warehouse company to create warrants in that location until load-in and load-out are brought into alignment pursuant to the requirements.

4. Prior to implementation, the LME would give the necessary notice of any action to be taken to the warehouse company and allow for formal representations to be made.

E) Review of LME policy for warehouses

This policy will be reviewed at least on a biennial basis

F) Linked Load-In and Load-Out Requirements

1. Principle

The general principle of this requirement is to link load-in and load-out for Warehouses with queues of greater than 50 calendar days (the "**Queue Threshold**").

2. Definitions

A Warehouse ("**Warehouse**") is all of the LME-licensed storage facilities operated by a particular warehousing company in a particular LME good delivery location.

In relation to a particular Warehouse, a Business Day ("**Business Day**") is any day on which that particular Warehouse is operating and subject to the current LME minimum load-out requirement.

The Preliminary Calculation Period ("**Preliminary Calculation Period**") shall be the period between 1 July 2013 and 31 January 2015, inclusive.

The First Calculation Period ("**First Calculation Period**") shall be the period between 1 February 2015 and 30 April 2015, inclusive.

Each subsequent Calculation Period ("**Calculation Period**") shall be the three months immediately following the preceding Calculation Period. By way of example, the Second Calculation Period ("**Second Calculation Period**") shall be the period between 1 May 2015 and 31 July 2015, inclusive (being the three months immediately following the First Calculation Period).

The Preliminary Discharge Period, (the "**Preliminary Discharge Period**") which will apply in relation to the Preliminary Calculation Period, will be the three month period between 1 March 2015 and 31 May 2015, inclusive.

For each subsequent Calculation Period, the related Discharge Period (i.e. the period during which the Incremental Load-Out Requirement calculated in accordance with paragraph 4 below must be met) shall be the three month period starting on the date one calendar month following the end of that Calculation Period (the "**Discharge Period**").

By way of example, the First Discharge Period shall be the period between 1 June 2015 and 31 August 2015, inclusive (being the three month period starting on the date one calendar month following the end of the First Calculation Period) (the "**First Discharge Period**").

In relation to a particular Warehouse on any given Business Day, the Normal Daily Minimum Load-Out Rate is the amount of metal required to be loaded out according to the LME requirements set out in Section C of this Policy (the "**Normal Daily Minimum Load-Out Rate**") as follows:

(a) If, on the Business Day in question, a Warehouse is required to make an additional load-out of non-dominant metal (pursuant to paragraph 4 of Section C above), such additional load-out will be counted towards the Normal Daily Minimum Load- Out Rate for the Business Day in question.

(b) If, on the Business Day in question, a Warehouse is required to make an additional load-out of nickel and tin (pursuant to paragraph 5 of Section C above), such additional load-out will be counted towards the Normal Daily Minimum Load-Out Rate for the Business Day in question.

(c) Load-out of cobalt and roasted molybdenum concentrate ("**RMC**") (paragraph 6 of Section C above) and steel billet (paragraph 7 of Section C above) will not be counted towards the Normal Daily Minimum Load-Out Rate, given that these metals are treated separately for the purposes of Warehouse load-out rates.

Re-warranted Metal ("**Re-warranted Metal**") is metal in respect of which a warrant has been cancelled, but has not been loaded out of the Warehouse (due to the presence of a queue or other operational constraint), and in respect of which the metal owner has requested that the Warehouse issues a new warrant (and hence reverses the original request to deliver out that metal).

3. Affected Warehouses

On any given Business Day, an Affected Warehouse is a Warehouse with a queue of greater than the Queue Threshold (the "**Affected Warehouse**"). Queue lengths will continue to be measured and reported to the LME by warehouse operators, with the LME continuing to exercise oversight in respect of such measurements. For the avoidance of doubt, to the extent that a Warehouse has scheduled deliveries pursuant to any Incremental Load-Out Requirement arising per this policy, then the queue length may take into account such incremental scheduled deliveries.

4. Calculating the Incremental Load-Out Requirement

The Incremental Load-Out Requirement shall mean the additional amount of metal that must be discharged by a Warehouse during the course of the relevant Discharge Period, over and above the load-out required by the Normal Daily Minimum Load-Out Rate on each day of that Discharge Period (the "**Incremental Load-Out Requirement**"). The Incremental Load-Out Requirement is derived on the final day of the relevant Calculation Period, as set out more fully in this section F, paragraph 4.

(a) During the Preliminary Calculation Period, each Warehouse shall maintain the calculation of its Cumulative Incremental Load-Out Quantity which is the quantity set to zero at the beginning of the Preliminary Calculation Period and increased incrementally on each Business Day of the Preliminary Calculation Period by the process set out in this section F, paragraph 4(a) (the "**Cumulative Incremental Load-Out Quantity**").

During the Preliminary Calculation Period, on each Business Day, the following value will be added to the Cumulative Incremental Load-Out Quantity:

> *the amount of new metal placed on-warrant in the Warehouse on the Business Day in question (which, for the avoidance of doubt, shall not include Re-warranted Metal)*
>
> **less**
>
> *the* ***higher of*** *(i) the Normal Daily Minimum Load-Out Rate, and (ii) the actual amount of metal loaded-out of the Warehouse on the Business Day in question – provided that, for the purposes of (ii), load-out in excess of the Normal Daily Minimum Load-Out Rate which is made to compensate for a shortfall in load-out on a previous or subsequent Business Day (due, inter alia, to scheduling variations within a single load-out request per paragraph 2 of Section C above) shall not count towards the actual amount of metal loaded-out of the Warehouse*

On the final Business Day of the Preliminary Calculation Period, a Warehouse shall establish whether it is an Affected Warehouse at the end of that Business Day. If (i) the Warehouse is not an Affected Warehouse, or (ii) the calculated Cumulative Incremental Load-Out Quantity is less than or equal to zero, then the Incremental Load-Out Requirement for the Preliminary Calculation Period shall be set to zero, and no additional load-out requirements will hence be incurred during the Preliminary Discharge Period. If (i) the Warehouse is an Affected Warehouse, and (ii) the calculated Cumulative Incremental Load-Out Quantity is greater than zero, then the Incremental Load-Out Requirement for the Preliminary Calculation Period shall be set to the Cumulative Incremental Load-Out Quantity in relation to the Preliminary Calculation Period, and must be satisfied by the Warehouse during the Preliminary Discharge Period as set out in paragraph 5 below.

(b) During the First Calculation Period, and each subsequent Calculation Period, a Warehouse shall measure its Cumulative Load-In and Cumulative Normal Minimum Load-Out. Cumulative Normal Minimum Load-Out shall mean the sum of metal across every Business Day of the relevant Calculation Period that a Warehouse is required to load-out pursuant to the Normal Daily Minimum Load Out Rate (the "**Cumulative Normal Minimum Load-Out**"). Cumulative Load-In shall mean the sum, increased incrementally each Business Day of the relevant Calculation Period, of metal that the Warehouse loads-in during the relevant Calculation Period (the "**Cumulative Load-In**"). Both quantities will be set to zero at the beginning of the Calculation Period.

For each Business Day during the Calculation Period, the Cumulative Load-In will be increased by the amount of new metal placed on-warrant in the Warehouse on the Business Day in question (which, for the avoidance of doubt, shall not include Re-warranted Metal).

For each Business Day during the Calculation Period, the Cumulative Normal Minimum Load-Out will be increased by the Normal Daily Minimum Load-Out Rate for the Business Day in question.

At the end of the Calculation Period, and if the Warehouse has been an Affected Warehouse on any Business Day during that Calculation Period, then the Incremental Load-Out Requirement will be calculated as:

> *0.5 (the "**Decay Factor**") **multiplied by** the Cumulative Load-In, up to and including the Cumulative Normal Minimum Load-Out*
>
> ***plus***
>
> *the Cumulative Load-In above the Cumulative Normal Minimum Load-Out.*

For the avoidance of doubt, if the Warehouse has not been an Affected Warehouse on any day during that Calculation Period, then the Incremental Load-Out Requirement will be zero in respect of that Calculation Period.

5. Discharging the Incremental Load-Out Requirement

At the end of each Calculation Period, the then current Incremental Load-Out Requirement must be satisfied by the Warehouse during the Discharge Period associated with the Calculation Period having just concluded, provided load-out demand is present.

During the associated Discharge Period, the Warehouse will be required to load-out the Incremental Load-Out Requirement, in addition to its load-out obligations in accordance with Section C above. For the avoidance of doubt, the Warehouse will not be held to any particular daily incremental load-out rate – however, in aggregate over the course of the Discharge Period, the full Incremental Load-Out Requirement must be satisfied.

6. Adjusting the Decay Factor and/or Queue Threshold

The LME, acting reasonably, reserves the right to adjust the Decay Factor and/or the Queue Threshold either on a market-wide basis or on a per-Warehouse basis in order to enhance the orderly functioning of the market or to prevent abusive behaviour or for any other reason.

7. A worked example of the calculation

This worked example is provided for illustrative purposes only and should not be relied upon for any reason.

(a) Consider a notional Warehouse with stocks of 2,000,000 tonnes of a single metal. Pursuant to the LME Policy Regarding the Approval of Warehouses, revised 1 February 2015, the Normal Daily Minimum Load-Out Rate is 3,000 tonnes per Business Day. Consider further that the Warehouse chooses to load-out precisely its Normal Daily Minimum Load-Out Rate (3,000 tonnes) on each Business Day.

(b) Consider that, of the Warehouse's stocks, 1,000,000 tonnes are represented by cancelled metal. Assuming that owners of all of the cancelled metal have completed the necessary formalities, then the Warehouse's load-out queue will hold 1,000,000 tonnes of metal. At a load-out rate of 3,000 tonnes per Business Day, the queue length will be:

1,000,000 tonnes / 3,000 tonnes per Business Day
= 333.3 Business Days
= 465.3 calendar days (assuming all weekdays are Business Days)

For the avoidance of doubt, in practice, the queue length will be determined by the Warehouse concerned on the basis of schedules provided to metal owners.

(c) Consider that the Warehouse places on-warrant a constant amount of 3,100 tonnes per Business Day. Consider also that, on each Business Day, warrant holders cancel an amount of 3,000 tonnes of metal (thus balancing the delivery out of 3,000 tonnes per Business Day, resulting in a constant queue length until such time as the Incremental Load-Out Requirement comes into effect). There is assumed to be no re-warranting of metal in this scenario.

(d) At the start of the Preliminary Calculation Period (1 July 2013), the Cumulative Incremental Load-Out Quantity is zero.

On each day during the Preliminary Calculation Period, the following value will be added to the Cumulative Incremental Load-Out Quantity:

the amount of new metal placed on-warrant in the Warehouse on the Business Day in question (which, for the avoidance of doubt, shall not include Re-warranted Metal) (3,100 tonnes)

less

*the **higher of** (i) the Normal Daily Minimum Load-Out Rate (3,000 tonnes), and (ii) the actual amount of metal loaded-out of the Warehouse on the Business Day in question (also 3,000 tonnes)*

= 3,100 tonnes – 3,000 tonnes = 100 tonnes

(e) At the end of the Preliminary Calculation Period (31 January 2015), and assuming that each weekday during the Preliminary Calculation Period is a Business Day for the Warehouse (resulting in a total of 415 Business Days during the Preliminary Calculation Period), then the Cumulative Incremental Load-Out Quantity will total 41,500 tonnes.

Given that, per (c) above, the queue will have retained a constant length, the queue length at the end of the Preliminary Calculation Period will remain at 465.3 calendar days. On this basis, the queue length is greater than 50 days, and the Warehouse is hence an Affected Warehouse at the end of the Preliminary Calculation Period.

Given that, on the final Business Day of the Preliminary Calculation Period, (i) the Warehouse is an Affected Warehouse, and (ii) the calculated Cumulative Incremental Load-Out Quantity is greater than zero, then the Incremental Load-Out Requirement will be set to the Cumulative Incremental Load-Out Quantity (41,500 tonnes), and must be satisfied by the Warehouse during the Preliminary Discharge Period.

(f) During the Preliminary Discharge Period (1 March 2015 to 31 May 2015), the Warehouse will be required to load-out the Incremental Load-Out Requirement relating to the Preliminary Calculation Period (41,500 tonnes in total over the course of the Preliminary Discharge Period), in addition to its Normal Daily Minimum Load-Out Rate of 3,000 tonnes per Business Day.

(g) At the start of the First Calculation Period (1 February 2015), the Cumulative Load-In and Cumulative Normal Minimum Load-Out are set to zero.

On each day during the First Calculation Period, the Cumulative Load-In will be increased by the amount of new metal placed on-warrant in the Warehouse on the Business Day in question (which, for the avoidance of doubt, shall not include Re-warranted Metal) – in this case 3,100 tonnes.

On each day during the First Calculation Period, the Cumulative Normal Minimum Load-Out will be increased by the Normal Daily Minimum Load-Out Rate for the Business Day in question – in this case 3,000 tonnes.

(h) At the end of the First Calculation Period (30 April 2015), and assuming that each weekday during the First Calculation Period is a Business Day for the Warehouse (resulting in a total of 64 Business Days during the First Calculation Period), then the Cumulative Load-In will total 198,400 tonnes, and the Cumulative Normal Minimum Load-Out will total 192,000 tonnes.

On the basis that the Warehouse has been an Affected Warehouse for at least one Business Day during the First Calculation Period, then the Incremental Load-Out Requirement will be calculated as follows:

the Decay Factor ***multiplied by*** *the Cumulative Load-In, up to and including the Cumulative Normal Minimum Load-Out*

plus

the Cumulative Load-In above the Cumulative Normal Minimum Load-Out

= 0.5 x 192,000 + (198,400 - 192,000) = 96,000 + 6,400
= 102,400 tonnes

(i) During the First Discharge Period (1 June 2015 to 31 August 2015), the Warehouse will be required to load-out the Incremental Load-Out Requirement relating to the First Calculation Period (102,400 tonnes in total over the course of the First Discharge Period), in addition to its Normal Daily Minimum Load-Out Rate of 3,000 tonnes per Business Day, provided load-out demand is present.

(j) This process continues through the Second Calculation Period (and associated Second Discharge Period), Third Calculation Period (and associated Third Discharge Period) and so on, until such time as the Warehouse ceases to be an Affected Warehouse.

Delaware

The First State

I, JEFFREY W. BULLOCK, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF FORMATION OF "WENTWORTH HOLDINGS LLC", FILED IN THIS OFFICE ON THE FIRST DAY OF APRIL, A.D. 2014, AT 11:41 O'CLOCK A.M.

Jeffrey W. Bullock, Secretary of State

5508653 8100

140411654

You may verify this certificate online at corp.delaware.gov/authver.shtml

AUTHENTICATION: 1256781

DATE: 04-01-14

State of Delaware
Secretary of State
Division of Corporations
Delivered 12:33 PM 04/01/2014
FILED 11:41 AM 04/01/2014
SRV 140411654 - 5508653 FILE

CERTIFICATE OF FORMATION

OF

Wentworth Holdings LLC

This Certificate of Formation of Wentworth Holdings LLC (the "Company"), dated April 1, 2014, is being duly executed and filed by Aaron Guth, as an authorized person, to form a limited liability company under the Delaware Limited Liability Company Act (*6 Del. C. §18-101, et seq.*).

FIRST: The name of the limited liability company formed hereby is: Wentworth Holdings LLC.

SECOND: The address of the registered office of the Company in the State of Delaware is c/o The Corporation Trust Company, Corporation Trust Center, 1209 Orange Street, Wilmington, Delaware 19801.

THIRD: The name and address of the registered agent for service of process on the Company in the State of Delaware is The Corporation Trust Company, Corporation Trust Center, 1209 Orange Street, Wilmington, Delaware 19801.

IN WITNESS WHEREOF, the undersigned has executed this Certificate of Formation as of the date first above written.

By:____________________
Aaron Guth
An Authorized Person

Delaware

PAGE 1

The First State

I, JEFFREY W. BULLOCK, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF FORMATION OF "WENTWORTH COMPRESSION LLC", FILED IN THIS OFFICE ON THE TWENTY-FIRST DAY OF OCTOBER, A.D. 2013, AT 6:04 O'CLOCK P.M.

5418724 8100

131218785

You may verify this certificate online at corp.delaware.gov/authver.shtml

Jeffrey W. Bullock, Secretary of State

AUTHENTICATION: 0830527

DATE: 10-21-13

State of Delaware
Secretary of State
Division of Corporations
Delivered 06:07 PM 10/21/2013
FILED 06:04 PM 10/21/2013
SRV 131218785 - 5418724 FILE

CERTIFICATE OF FORMATION

OF

WENTWORTH COMPRESSION LLC

This Certificate of Formation of Wentworth Compression LLC (the "Company"), dated October 21, 2013, is being duly executed and filed by Margaret T. Dugan, as an authorized person, to form a limited liability company under the Delaware Limited Liability Company Act (*6 Del. C. §18-101, et seq.*).

FIRST: The name of the limited liability company formed hereby is:

Wentworth Compression LLC

SECOND: The address of the registered office of the Company in the State of Delaware is c/o The Corporation Trust Company, Corporation Trust Center, 1209 Orange Street, Wilmington, Delaware 19801.

THIRD: The name and address of the registered agent for service of process on the Company in the State of Delaware is The Corporation Trust Company, Corporation Trust Center, 1209 Orange Street, Wilmington, Delaware 19801.

IN WITNESS WHEREOF, the undersigned has executed this Certificate of Formation as of the date first above written.

By: ____________________
Margaret T. Dugan
An Authorized Person

Delaware

The First State

PAGE 1

I, JEFFREY W. BULLOCK, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF FORMATION OF "WENTWORTH GAS MARKETING LLC", FILED IN THIS OFFICE ON THE TWENTY-FIRST DAY OF OCTOBER, A.D. 2013, AT 6:19 O'CLOCK P.M.

5418739 8100

131218856

You may verify this certificate online at corp.delaware.gov/authver.shtml

Jeffrey W. Bullock, Secretary of State

AUTHENTICATION: 0830539

DATE: 10-21-13

State of Delaware
Secretary of State
Division of Corporations
Delivered 06:23 PM 10/21/2013
FILED 06:19 PM 10/21/2013
SRV 131218856 - 5418739 FILE

CERTIFICATE OF FORMATION
OF
WENTWORTH GAS MARKETING LLC

This Certificate of Formation of Wentworth Gas Marketing LLC (the "Company"), dated October 21, 2013, is being duly executed and filed by Margaret T. Dugan, as an authorized person, to form a limited liability company under the Delaware Limited Liability Company Act (*6 Del. C. §18-101, et seq.*).

FIRST: The name of the limited liability company formed hereby is:

Wentworth Gas Marketing LLC

SECOND: The address of the registered office of the Company in the State of Delaware is c/o The Corporation Trust Company, Corporation Trust Center, 1209 Orange Street, Wilmington, Delaware 19801.

THIRD: The name and address of the registered agent for service of process on the Company in the State of Delaware is The Corporation Trust Company, Corporation Trust Center, 1209 Orange Street, Wilmington, Delaware 19801.

IN WITNESS WHEREOF, the undersigned has executed this Certificate of Formation as of the date first above written.

By: ____________________
Margaret T. Dugan
An Authorized Person

JPMC has been increasing its firmwide physical commodity holdings substantially over the past few years and as of September 2012, the Firm held the highest level of physical commodities for any reporting period to date. The regulatory structure limiting this activity is primarily comprised of the FRS limit, limiting the market value of physical commodities to less than 5% of the consolidated organization's tier 1 capital and the OCC limit, expressed in Interpretive Letter 684, stating that "The Bank's Hedge Transactions would be nominal, and no more than 5% of its total transactions involving Eligible Commodities would involve actual physical delivery." Earlier in the year the firm transferred a portion of a purchase of aluminum inventory booked in the Bank into JPM Ventures Energy Corporation (JPMVEC or "Ventures") as the physical amount exceeded the OCC limit; this prompted some concern with the overall regulatory framework. In subsequent discussions, FRB Legal confirmed that the FRS limit does not apply to commodities held in the Bank under OCC authority (which pre-dates FRB complementary activity authority). The current regulatory limit framework is thus siloed to some extent without an overall limit. While the Firm is in compliance with the FRS limit, having inventory equal to 4.5% of tier 1 capital as of September 2012 as per the chart below, on a consolidated basis (including the Bank and non-bank subs) JPMC held physical commodities equal to 10.0% of tier 1 capital. In part because the two regulatory limits reference separate metrics (Tier 1 capital and percentage of physical delivery) and legal entities (the Bank and BHC subsidiaries), the resultant dual-limit framework is less effective and vulnerable to regulatory arbitrage. The Firm may increase physical commodity holdings in the booking entity where it perceives the most regulatory leeway and both regulators may be challenged to limit overall physical holdings to intended levels. A more coordinated framework, potentially referencing similar metrics could be more effective in limiting holdings and preventing regulatory arbitrage. It may also be worth thinking in advance about what is appropriate regarding transferring commodities between the Bank and BHC subsidiaries to avoid regulatory limits.

All figures in $k

Business	As of 1/31	As of 3/30	As of 6/30	As of 9/28
Canadian Oil	414,200	306,626	192,895	307,269
EMEA Oil	1,091,852	895,513	700,576	837,220
AP Oil	5,555	-	33,508	-
US Oil*	846,187	949,262	633,165	2,094,765
Freight	167,004	203,481	121,145	91,590
NA Gas & Emissions	111,461	78,942	135,427	135,991
Sum of NA Tolls	2,184,000	2,171,349	2,076,409	1,999,332
Heating Oil	7,046	6,841	5,985	7,035
EMEA Gas & Emissions	251,198	278,887	372,884	393,509
Global Coal	3,892	3,142	2,063	1,638
Softs	16,892	2,111	14,330	68,046
Base Metals	1,149,332	874,449	610,440	673,361
Concentrates	62,275	75,747	-	-
EcoSecurities	21,490	21,490	13,862	18,379
Total Physical Inventory JPM Vec and Subs	**6,325,339**	**5,860,999**	**4,906,705**	**6,628,135**
Base Metals held in Bank	6,232,434	7,324,010	6,305,101	8,157,397
Total Consoldiated Inventory Positions	**12,557,772**	**13,185,009**	**11,211,806**	**14,785,531**
Physical Inventory as % of Tier 1 - JPMVEC & Subs	4.2%	3.9%	3.1%	4.5%
Physical Inventory as % of Tier 1 - Consolidated	8.4%	8.8%	7.2%	10.0%
Tier 1 Capital	150,384,000	150,384,000	155,811,000	148,425,000
4% Reporting Requirement	6,015,360	6,015,360	6,232,440	5,937,000
5% Limit	7,519,200	7,519,200	7,790,550	7,421,250
Under/(over) Reporting Requirement	(142,975)	154,361	1,325,735	(691,135)
Under/(over) Limit	1,360,865	1,658,201	2,883,845	793,115

*Due to reporting changes US Oil includes plastics.

JPMorganChase

Received 11/1/04
from [illegible]

Diane M. Genova
Co-General Counsel
Investment Bank

October 26, 2004

Mr. Ned Pollock
Office of the Comptroller of the Currency
277 Park Avenue
New York, NY 10172

Re: Commodity Derivative Activities of JPMorgan Chase Bank (the "Bank")

Dear Mr. Pollock:

The purpose of this letter is to provide you with information regarding the Bank's current commodity derivative activities and to request the Office of the Comptroller of the Currency's (the "OCC") concurrence with our view that entering into (1) cash-settled derivative transactions in natural gas, crude oil, power, coal, emissions and weather, (2) physically-settled transactions in the form of transitory title transfers in natural gas, crude oil, power, emissions and coal, including volumetric production payment transactions, and (3) physical commodity transactions in natural gas, crude oil, coal and emissions, all as described more fully below, is permissible for a national bank.

I. Current Commodity Activities

The Bank and its predecessors have engaged in commodity derivative transactions since 1987, when the OCC approved The Chase Manhattan Bank, N.A.'s request to engage in perfectly matched commodity derivative transactions. Through the intervening years, the Bank has requested and received approval to engage, as principal, in the following commodity activities:

- Perfectly matched, cash-settled derivative transactions on any commodity.
- Portfolio-hedged, cash-settled derivative transactions in energy (crude oils, refined oil products and natural gas), base metals, precious metals and certain agricultural and soft commodities.
- Entering into and performing contracts involving taking title to and physical delivery of commodities in order to hedge exposure arising from otherwise permissible banking activities (energy, base metals and precious metals).

J.P. Morgan Chase & Co. • 270 Park Avenue, Floor 41, New York, NY 10017
Telephone: 212 270 3570 • Facsimile: 212 270 3625
genova_diane@jpmorgan.com

- Entering into repurchase agreements involving energy, base metal and precious metals, where the Bank purchases the physical commodity on a spot basis from a customer and simultaneously enters into a forward contract to sell the commodity back to the customer.

- Entering into perfectly matched physical spot and forward contracts on energy and base metals.

- Entering into prepaid forward contracts involving energy, base metals and precious metals, where the Bank agrees to purchase a commodity from its customer on agreed upon forward settlement dates, but pays a discounted purchase price in advance of the settlement dates. On each settlement date, the customer delivers the agreed upon amount of commodity to the Bank. The Bank, in turn, delivers the commodity to a purchaser to which the Bank had arranged to deliver the commodity (for commodities other than precious metals, the agreement to deliver the commodity to a third party purchaser must be contemporaneous with the Bank's agreement to take delivery under the prepaid forward contract)

The approvals, which were received from the State of New York Banking Department, each contained similar requirements: all commodity-related transactions must be customer-driven and not a vehicle to speculate in commodity price movements; comprehensive policies and procedures must be adopted addressing all risks arising from engaging in the approved commodity activities and those risks must be managed in accordance with controls and procedures outlined in said policies; the Bank's role in transactions in which the Bank takes delivery of physical commodities must be as a financial intermediary interposing its credit for that of its customer and the making and taking delivery of a physical commodity should be incidental to such financial intermediation. The Bank has met all these requirements.

II. **Expanded Commodity Activities**

A. Cash-Settled Derivatives

The Bank's desire to expand its commodity activities is driven by developments in the market that introduce opportunities, and increase demand, for financial intermediation. It would be an understatement to say that the energy and power markets in recent years have witnessed significant upheaval. Deregulation of the power markets has introduced variable pricing for electricity where fixed pricing once was the norm, affecting producers as well as consumers. This has presented risks to the participants in this market similar to the risks presented by fluctuations in interest rates, natural gas, or equity prices. Failure by generators/distributors of power and institutional and corporate customers to manage effectively these variable risks has introduced volatility to their earnings and performance. These dynamic changes in the market have created a unique opportunity for financial firms, such as the Bank, to enter the trading arena, as the collapse of many of the trading participants has resulted in significant demand for creditworthy firms capable of providing energy-linked trading products and risk management solutions to investment-grade clients. The Bank has existing relationships with many of these customers and can assist these customers with their management of their energy and power risks.

In light of the foregoing, the Bank plans to expand its current financial intermediation activities in commodities to include cash-settled derivative transactions in power, coal, emissions and weather. Each of these commodities is an important component of the "power complex", in that the prices of coal, emissions and weather significantly affect the price of power. Failure to adequately manage and control any of these component commodities affects the performance of power generators, suppliers of the underlying commodity and ultimately, the end-user customer. These cash-settled derivative transactions include transactions of every type (swap, option, cap, floor, collar, futures, etc.), where the payments between the parties are based on the prices of the relevant commodity (whether power, coal, emissions or weather).

The Bank's request with respect to these cash-settled derivatives is relatively straightforward. The Bank's intent is to conduct cash-settled, portfolio-hedged derivatives linked to power, coal, emissions and weather to the same extent as it currently engages in its other cash-settled, portfolio-hedged commodity derivative activities. The Bank will ensure that its portfolio hedging activities in the proposed commodities will be conducted in accordance with the risk management systems and procedures (including trading limits and management reviews) already in place for the Bank's other commodity derivative products. In this regard, the Bank will manage its activities in the proposed commodities in the same manner it manages its existing commodity, interest rate, currency, credit and equity derivative products. As with the Bank's other cash-settled commodity derivative transactions, derivative transactions linked to power, coal, emissions and weather will be customer-driven, rather than for proprietary trading purposes, to enable customers to meet their financial and risk management objectives. The Bank's customers for these transactions will be "wholesale" market participants, either power generators or distributors, industrial and corporate consumers, traders and marketers of the subject commodities, many of which are already customers of the Bank in different risk management products; the Bank will not market these products to "retail" customers.

defined customers

Following is a short description of the products, markets and customers with which the Bank intends to deal. A more complete analysis of each of the power, coal, emissions and weather markets is provided in Exhibit 1, attached hereto.

Electricity

1. Power

The Bank intends to offer cash-settled derivative transaction linked to the price of electricity in markets where there is an independently quoted and published price assessment, which initially will include PJM, NY ISO, NE ISO, Midwest ISO (when operational), California ISO and ERCOT. As indicated above, the Bank's customers for these products will include power generators and end-user consumers. Given the state of the participants in the power market today, the Bank brings a strong balance sheet to the market to provide producers, consumers and traders with an additional counterparty to enter into the kinds of customized products and extended tenors some of the weaker market participants may either be unwilling to offer or the market unwilling to accept. Banks (and/or their affiliates) currently providing cash-settled derivatives in power to the market include Bank of America, Citibank, Deutsche Bank, and UBS; investment banks currently providing such products include Goldman Sachs, Morgan Stanley, Merrill Lynch and Prudential Securities. Other financial firms trading in this market include Citadel, Susquehanna and DE Shaw.

From the Bank's perspective, the addition of cash-settled derivatives in power is a natural expansion of the Bank's current cash-settled derivative activities in natural gas and, given the importance of natural gas to the power generation market (approximately 16.5% of all power generation plants in the U.S. burn natural gas to generate electricity), an activity that is complementary to the Bank's current activities. In fact, it is the Bank's intention that the proposed activity replicate the successful strategy and business models currently employed in its other commodity derivative activities. By adding another asset class to its roster of products, the Bank plans to leverage its existing strong lending and investment banking relationships in the power industry, focusing on client-driven transactions and managing the risks that arise from those transactions.

2. Coal

Another important component of the "power complex" is coal. Approximately 51% of the total power generated in the U.S. is produced by coal-fired plants (as indicated above, natural gas accounts for 16.5%, with nuclear accounting for approximately 20% of the fuel input used to generate power); 85% of the coal mined in the U.S. is consumed by the power industry. Given this relationship to power and natural gas, the expansion of the Bank's cash-settled commodity derivative activities into coal is a natural extension of the Bank's current energy derivative activities. The markets currently contemplated to which the Bank's coal derivative transactions will be linked include eastern rail coal, eastern barge coal and western rail coal. Customers will include power generators, who earn what is known as the "spark spread": the price of power minus fuel costs necessary to generate the power. These customers manage their price risk through active participation in both the power markets and the coal market, either by entering into spark spread trades that manage the spark risk itself or enter into transactions managing either the input (coal and natural gas, for instance) or the output (power). In order for the Bank to provide added value to its producer customers, the Bank needs the capability to assist these customers in managing their business, irrespective of any one particular hedging focus. In addition to power customers, the Bank's coal-linked derivative products will also benefit coal companies seeking to hedge their price risk. As is the case for power, the inclusion of the Bank in the coal market will benefit those customers seeking customized, long-term risk management services from a creditworthy counterparty willing and able to manage risk effectively.

– Don't think so.

3. Emissions

The third component of the "power complex" is emissions. Heightened concern about acid rain, ground level ozone, mercury concentrations and global warming has led to the tightening of environmental regulations and the addition of new pollutants to the list of emissions regulated by the Environmental Protection Agency ("EPA"). As is the case with fuel input and power output, managing environmental costs has become a critical business issue for many of the Bank's electric utility customers. The current federal policy targets reductions in emissions from electric utilities as the primary vehicle for improving air quality. Accordingly, emissions allowances (the amount of sulphur dioxide and nitrogen oxides that can be released into the atmosphere) are decreasing, requiring astute management on the part of electric utilities of their emissions allowances, including the purchasing of excess allowances from other, more efficient generators. This impacts disproportionately on midwestern utilities because of their heavy reliance on coal-fired electricity generation. The Bank, acting in its financial intermediation role, can provide derivative products linked to publicly available emission allowance price indices, such as the NOX SIP call allowances and the EPA Acid Rain Program SO2 allowances, to enable its electric utility customers to manage, more effectively, the costs of emissions allowances. The Bank, once again, can bring its strong credit standing and risk management expertise to this market, providing electric utilities an additional market participant and enabling the Bank to offer more products to its power industry customer base.

– Don't think so.

4. Weather

The final component of the "power complex" is weather. Weather is a key determinant in natural gas, coal and power demand, and the cash-settled derivatives market, both over-the-counter and exchange-traded, has developed indices and products designed to allow a broad range of end-users, such as utilities, agriculture, construction, tourism, manufacturing and transportation companies, to manage weather related risks and costs. Many of the Bank's current energy and corporate customers have inquired about the Bank's availability as a counterparty in weather derivative transactions.

products

The Bank intends to offer cash-settled derivative products in the following weather indices: Average Daily Temperature; Cooling Degree Days ("CDD"); Heating Degree Days ("HDD"); Maximum temperature for a given day ("Tmax"); and Minimum temperature for a given day ("Tmin"). The market in these weather indices has grown into a $4.2 billion notional market value since the introduction of the first weather derivative in 1997. As with the other "power complex" commodities, the addition of cash-settled derivatives is a natural extension of the Bank's current energy derivative activities and is a complementary adjunct to power, coal and emissions derivatives. The inclusion of the Bank in weather derivatives this market provides another strong, creditworthy counterparty for our customers.

B. Physical Activities

1. Transitory Title Transfers

In addition to cash-settled transactions in power, coal and emissions, the Bank proposes to enter into physically-settled derivative transactions in these commodities (as well as natural gas and crude oil) where settlement is effected by accepting and instantaneously relinquishing title to the subject commodity ("transitory title transfers"). As the OCC is aware from submissions by other ~~national banks~~ requesting approval of transitory title transfers, in certain markets, contracts do not specifically provide for assignment, termination, or offset prior to delivery. In these situations, transaction settlements occur through title transfers. The coal and emissions markets behave similarly to the electricity (and natural gas and crude oil, to a certain extent) markets in this regard. The Bank will be neither the first seller nor the last purchaser of such commodities; rather, the Bank will be a link in the chain of title transfers between the initial seller and ultimate consumer of the underlying commodity. The Bank does not intend to receive or deliver the underlying commodity upon physical settlement other than through transitory title transfers, and such transfers will be in connection with customer transactions or for the Bank's own risk management of positions generated as a result of such customer transactions. Currently, the Bank expects that less than [20%] of the Bank's total volume in natural gas, crude oil, power, coal and emissions transactions will result in transitory title transfers.

def !!

Transitory title transfers are an important component of the Bank's provision of financial intermediation services, not only for the Bank, but also for its customers, many of which have lending and other investment banking relationships with the Bank. Without the ability to offer transitory title transfer transactions, the Bank's ability to address its customers' financial, risk management and liquidity needs is incomplete. The Bank's customers expect the Bank to be able to accommodate all of their needs, including participating in the physical settlement markets if those markets present the most effective liquidity and risk management solutions. Transitory title transfers also enable the Bank to diversify its business risks and broaden its customer base. In addition, the ability to hedge its cash-settled derivatives portfolio by entering into contracts that settle through transitory title transfers will enable the Bank to take advantage of additional markets and liquidity in which to hedge its market risk and exposure. The inability to settle natural gas, ~~crude oil, electricity,~~ coal and emissions by transitory title transfer places the Bank at a competitive disadvantage vis-à-vis other national banks and investment banks.

Only if other NB's are conducting!!

NO.

No No

No

Transitory title transfer transactions in natural gas, crude oil, electricity, coal and emissions will include forwards, swaps and options. The Bank intends to conduct all its transitory title transfer transactions in the same manner ~~as it conducts~~ its cash-settled derivative activities. Transactions will be managed on a portfolio basis, with the Bank hedging the resulting net exposure with cash-settled derivative transactions, transitory title transfer transactions and physical transactions.

In anticipation of the obtaining OCC approval of the Bank's proposal, the Bank will be filing an application with the Federal Energy Regulatory Commission for authority to act as a power marketer. This authority, combined with the approval by the OCC, will enable the Bank to engage in transitory title transfers in electricity in interstate commerce at market rates. The Bank will also file an application with each relevant independent system operator for authority to trade power in that network.

another request

The Bank also proposes to engage in volumetric production payment ("VPP") transactions in commodities. In a VPP transaction, in consideration of the Bank providing upfront financing to an exploration and production company, the Bank is granted the right to receive as, when, and if production occurs, a designated share of the customer's production of the commodity from a ~~specific~~ location ~~over a stated term (usually 3-7 years).~~ Although the Bank contracts to receive delivery of the underlying commodity, the Bank arranges for a third party to purchase the commodity from the Bank prior to delivery, resulting in an instantaneous transfer of title from the exploration and production company to the Bank to the Bank's purchaser. The Bank will only have title to the commodity long enough to transfer title to its purchasers; the Bank will not hold title for any longer than it takes to transfer to the third party and will not enter into a "delivery period" without having arranged to transfer title to the production being delivered during that delivery period. Accordingly, the delivery aspect of the VPP transaction is no different than any other transitory title transfer transaction.

sells to the com

2. Physical Commodity Transactions

To augment its current abilities to manage the risk arising out of commodity derivative transactions, the Bank proposes to extend its existing approval to enter into physical commodity transactions to include physical transactions in coal and emissions. The Bank's current physical commodity transactions are:

(1) used only to supplement the Bank's risk management activity;
(2) a small proportion of the Bank's overall hedging activity (less than 20%);
(3) used to reduce risks associated with otherwise permissible banking activities; and — explain
(4) entered into in connection with customer-transactions and not as a vehicle to speculate in commodity prices.

The Bank commits to conduct physical transactions in coal and emissions in compliance with these conditions.

C. Risk Management

As indicated above, the Bank is currently actively involved in the energy derivative market. The Bank will hedge the market risk associated with the proposed cash-settled derivatives and transitory title transfer transactions on a portfolio basis, utilizing cash-settled derivatives, exchange-traded futures and options and other cash-settled over-the-counter transactions, and physical commodity transactions. Transitory title transfer transactions and physical commodity transactions will be especially effective hedges for coal and emissions given that the physical markets in these commodities are deeper than the cash-settled market. The Bank proposes to run risk positions in power, coal, emissions and weather similar to those taken in natural gas and other energy commodities. These will be primarily curve and volatility risks, plus residual flat price exposures arising out of customer transactions. All portfolio-based activities in the proposed commodities will be conducted in accordance with the risk management systems and procedures (including trading limits and management reviews) currently in place for the Bank's other commodity, interest rate and currency derivative products. Each transaction will be added to the Bank's portfolio and hedged on a commodity specific basis. Unrelated products typically are managed and hedged separately; however, if the Bank determines that a strong correlation exists between prices of different commodities (for example, the correlation between natural gas and electricity prices or coal and electricity) and that related contracts in a commodity group provide a strong hedge for a specific commodity, the Bank will use such interrelated contracts in its overall portfolio management. As transactions are added to the portfolio resulting in changes to the aggregated unmatched position, the Bank will adjust its hedge to reduce (or eliminate where possible) its exposure. Any residual price risk will be maintained within the limits and sub-limits approved according to the Bank's then current policies and procedures. The Bank represents that it will conduct the activities proposed herein consistent with the same policies, procedures and controls it applies to its existing energy commodity derivatives business.

With respect to transitory title transfers, the Bank commits that prior to engaging in such transactions, it will adopt and implement all necessary policies, procedures and controls (including those set forth in the OCC Handbook: *Risk Management of Financial Derivatives* (January 1997) (the "OCC Derivatives Handbook") and OCC Banking Circular No. 277 ("BC-277")) to assure that the transactions are customer-driven and meet all regulatory standards and that the Bank has in place all appropriate mechanisms to identify, monitor, limit and control the risks inherent in these transactions. In addition, the Bank commits to conducting a full evaluation of (i) pricing, hedging, processing, record keeping, documentation, accounting, operations and risk management, (ii) knowledge and staff development, and (iii) training of personnel by the Compliance Department and development of a supervisory framework to ensure compliance with these policies and procedures, including trading practices. Lastly, all commodity derivative transactions, including the proposed power derivative transactions, are subject to the Bank's Appropriateness Policy, and, when required, structured transactions are subject to further review by the Bank's Policy Review Committee.

With respect to physical commodity transactions in coal and emissions, the Bank will insure that it manages in a safe and sound manner the particular risks that arise in owning physical commodities. For coal, the Bank will use appropriate storage facilities and means of transportation that are owned and operated by unaffiliated entities selected on the basis of experience, reputation, safety record, adequate insurance and creditworthiness. The Bank also will use independent inspectors to inspect and determine the quantity, quality and other specifications of the coal. For emissions, the Bank will establish a general account with the EPA through which physical transactions will settle. In all cases, the Bank will apply the policies, procedures and controls that govern its existing physical commodity activities, which include the conditions to these activities set out by the OCC in BC-277 and the OCC Derivatives Handbook.

Regarding market risk management, operational monitoring and control, the Bank currently utilizes the Endur Open-link risk management system for its oil and gas products. The Bank intends to utilize an enhanced version of the Endur system for electricity transactions. The combined functionality accommodates the coal, emissions and weather products with minimal effort. The Bank's risk management controls include, among other things, assessments of Value at Risk, the standard Bank-wide methodology; non-statistical limits (Delta, Vega, Basis); tenor limits; stress testing (both corporate and asset specific stress scenarios employed); risk self-assessment, a monthly review and reporting of non-standard or exotic risks communicated to and reviewed by senior management within the business and market risk management. A more complete description of the Bank's risk management plan and operational infrastructure is provided in Exhibit 1.

III. Analysis

A. Electricity Derivative Transactions

The Bank proposes to engage in customer-driven electricity derivative transactions, both cash-settled and physically-settled through instantaneous title transfer. The OCC previously has concluded that a national bank may engage in customer-driven, cash-settled electricity derivative transactions.[1] The OCC also previously has concluded that a national bank may settle and hedge those electricity derivatives transactions by transitory title transfers.[2] Each conclusion is premised on the national bank having established, to the satisfaction of its Examiner in Charge, an appropriate risk measurement and management process for its activities. To that extent, the Bank will conduct its electricity derivatives activities consistent with the policies, procedures and controls that it applies to its existing customer–driven commodity derivatives business. Further, the Bank commits to the same principles set forth in OCC Interpretive Letter No. 962. In particular, the Bank commits that:

---

[1] OCC Interpretive Letter No. 937 (June 27, 2002) *reprinted in* [2002-2003 Transfer Binder] Fed Banking L. Rep. (CCH) 81-463. The term "electricity derivatives transactions" includes the same transactions listed as such in OCC Interpretive Letter 937.

[2] OCC Interpretive Letter No. 962 (April 21, 2003) reprinted in *reprinted in* [2003-2004 Transfer Binder] Fed Banking L. Rep. (CCH) 81-4487.

(1) it will not run a proprietary book in electricity and electricity derivatives;

(2) any trading in electricity derivatives will be done exclusively to hedge residual open positions related to customer transactions (or incurred in anticipation of customer transactions); and

(3) its electricity derivatives business will be conducted in a safe and sound manner and consistent with prudential risk management practices as prescribed in the OCC Derivatives Handbook and BC-277.

B. Coal Derivative Transactions

The Bank proposes to engage in customer-driven coal derivative transactions. These transactions consist of cash-settled transactions and physical transactions, including transactions that settle physically by instantaneous title transfers. The Bank will conduct these transactions in a manner consistent with the Bank's existing commodity derivatives business.

The Bank believes that its proposed coal derivative business is functionally equivalent to other bank-permissible commodity derivatives transactions. The OCC has concluded that "national banks may make payments to, or receive payments from, customers under commodity derivatives contracts in the event of a gain or loss in a metal or energy product or index thereon."[3] Although the OCC has not considered coal derivative transactions before, they are a natural extension of the Bank's existing derivative business in energy products. The OCC previously has permitted national banks to expand their cash-settled commodity derivatives business when such expansion "will not effect any substantive change in the type or nature of the activity concluded but only in their underlying basis (i.e. the particular commodity in question)."[4] The Bank's proposal to enter into cash-settled coal derivative transactions, subject to the same risk management policies and procedures that apply to its existing commodity derivatives business, is just such an extension of the Bank's energy products business.

The OCC has allowed national banks to engage in physical commodity transactions subject to the conditions set forth in BC-277 and the OCC Derivatives Handbook. The Bank commits to conducting its physical transactions in coal in compliance with those conditions and the principles and processes governing the Bank's current physical energy transactions. In addition, the OCC also previously concluded that national banks may engage in instantaneous title transfers in furtherance of managing the risks in transactions with customers involving commodities.[5] The Bank commits to enter into coal derivatives transactions that are settled by instantaneous title transfer only in a manner consistent with Interpretive Letters 962 and 684.

---

[3] OCC Interpretive Letter No. 937.

[4] OCC Interpretive Letter No. 937 (emphasis in original).

[5] OCC Interpretive Letter 962, OCC Interpretive Letter No. 684 (August 4, 1995) reprinted in [1994-1995 Transfer Binder] Fed. Banking L. Rep. (CCH) 83, 632.

C. Emissions Derivative Transactions

The Bank proposes to engage in customer-driven emissions derivative transactions.[6] These transactions comprise cash-settled transactions, transactions settling physical by transitory title transfer and physical transactions entered into as hedges. The Bank will conduct these transactions in a manner consistent with its existing commodity derivatives business, with transactions settling by transitory title transfer entered into only in compliance with the same conditions that apply to such transactions in energy products, as described above. With respect to physical transactions, some of the risks cited by the OCC as arising from physical possession of commodities are not present in physical emissions transactions. There are no transportation, environmental or insurance risks associated with possession of emission allowances, and the EPA's administration of the trading system and ownership accounts addresses storage issues. Notwithstanding these differences, the Bank will enter into physical emissions transactions in compliance with the conditions that apply to its other physical commodity transactions.

The Bank believes that its proposed emission derivative business is functionally equivalent to other bank-permissible commodity derivatives transactions. Emission allowances are rights that also fall within the purview of the Commodity Exchange Act.[7] Emission allowances are traded actively in the United States and in Europe, where standardized documentation for privately negotiated, physically-settled transactions recently has been published.[8] The Bank will apply to the emissions derivatives business the same risk management processes and procedures that it applies to its existing commodity derivatives businesses. Consequently, the Bank believes that expansion of the Bank's commodity derivatives business to include emissions derivative transactions is a permissible extension of its existing commodity derivatives business.

D. Weather Derivative Transactions

The Bank proposes to engage in customer-driven, cash-settled weather derivative transactions. As with emissions derivative transactions, the Bank believes that its proposed weather derivative business is functionally equivalent to other bank-permissible commodity derivatives transactions. Weather-related indices are a "commodity" under the Commodity Exchange Act, as they are interest in which contracts for future delivery are presently dealt.[9] Exchange traded weather derivatives transactions are offered on the Chicago Mercantile Exchange[10], and as previously mentioned, there is a significant volume of privately negotiated contracts.[11] The Bank will conduct the weather derivatives business consistent with the policies, procedures and controls that apply to its existing customer-driven commodity derivatives business. The Bank believes that expansion of the Bank's commodity derivatives business to include cash-settled weather derivative transactions is a permissible extension of its existing commodity derivatives business.

---

[6] "Emission Derivatives Transactions" encompasses all transactions where a portion of the return (including interest, principal or payment streams) is linked to the price of allowances to emit sulfur dioxide or nitrogen oxides, including derivatives transactions such as futures, forwards, options, swaps, caps and floors. The EPA administers the auction of these allowances and tracks their ownership. See www.epa.gov/airmarkt/trading for details.

[7] The Code of Federal Regulations defines an allowance as "an authorization by the Administrator under the Acid Rain Program to emit up to one ton of [the relevant pollutant] during or after a specified calendar year." 40 CFR 72.2 (2003).

[8] See International Swaps and Derivatives Association, Inc. "ISDA Publishes OTC Emissions Contract" (Press release dated July 7, 2004) (available at www.isda.org)

E. Oil and Gas Transitory Title Transfers

The Bank proposes to engage in customer-driven, physically-settled derivative transactions involving crude oil and natural gas where settlement is accomplished by transitory title transfers. These transactions would be in addition to the physical transactions in crude oil and natural gas that the Bank already engages in as part of its risk management activity. As with the other commodities with respect to which the Bank proposes to enter into such transactions, the Bank commits to enter into crude oil and natural gas derivative transactions that are settled by instantaneous title transfer only in a manner consistent with Interpretive Letters 962 and 684. On that basis, the Bank believes that transitory title transfers are a permissible extension of its existing crude oil and natural gas derivatives business.

F. VPP Transactions

The customer-driven VPP transactions the Bank proposes to engage in combine activities the Bank already engages in and that the OCC has approved for national banks, prepaid forward contracts, with a settlement mechanism, transitory title transfer, that the Bank believes is a permissible extension of its current commodity derivatives business.[12] As such, the Bank believes that VPP transactions, executed on the terms described in this letter, are permissible for a national bank.

---

[9] 7 U.S.C. 1a(4)

[10] Details of the contracts may be found at www.cme.com

[11] See Weather Risk Management Association "Annual Survey – Volume of Weather Risk Management Contracts Reaches All-Time High" (Press release dated June 10, 2004) (available, together with general information regarding weather derivatives, at www.wrma.org)

[12] Interpretive Letter 962.

IV. Conclusion

For the foregoing reasons, the Bank believes that its proposed natural gas, crude oil, power, coal, emissions and weather derivative transactions are permissible for a national bank and that its risk management policies and procedures are acceptable.

V. Confidentiality

As Exhibit 1 includes certain information which is confidential and proprietary in nature, the Bank respectfully requests that it be accorded confidential treatment pursuant to 5 U.S.C. § 552(b)(4) and be designated as confidential commercial information pursuant to 12 C.F.R. § 4.16(b)(ii). The Bank also requests that it be notified promptly of the request of any person for disclosure of Exhibit 1 or the material contained therein so that it may take appropriate steps to seek to prevent such disclosure by supplementing the reasons which, in the Bank's opinion, qualify the material for confidential treatment.

If you have any questions about this letter, please contact the undersigned. Thank you for your time and attention.

Sincerely,

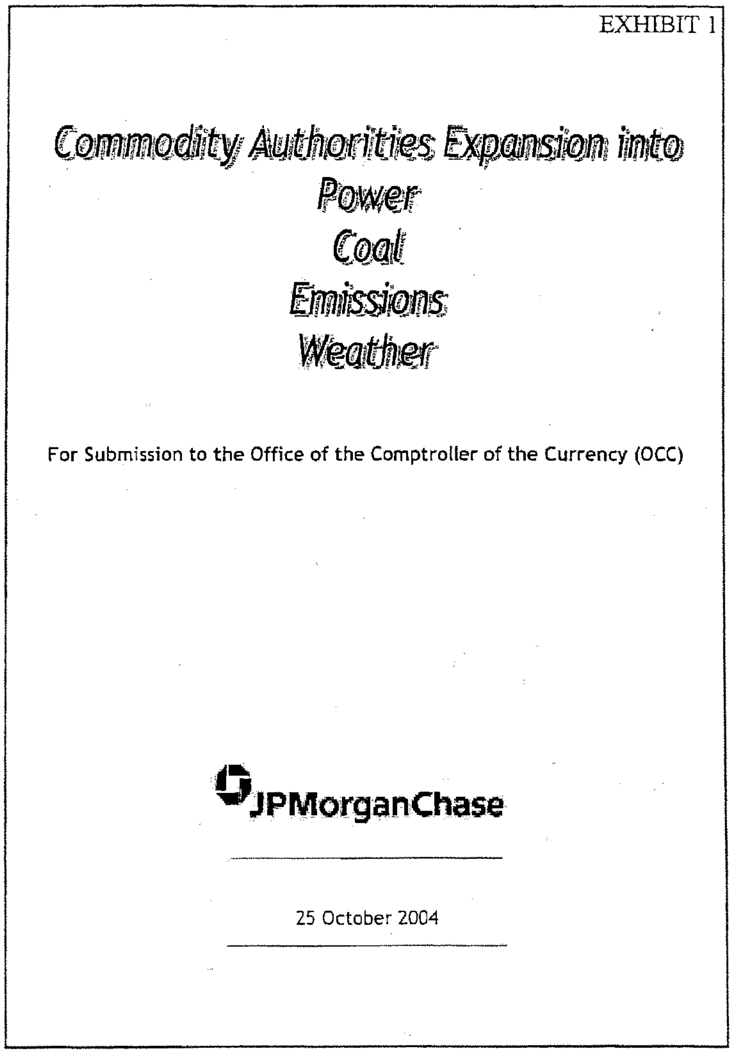


EXHIBIT 1

Commodity Authorities Expansion into
Power
Coal
Emissions
Weather

For Submission to the Office of the Comptroller of the Currency (OCC)

JPMorganChase

25 October 2004

As indicated in the letter to which this Exhibit is attached, provided below is a brief background description, fundamentals and trading characteristics of, outlook and JPMorgan's strategy for, the power, coal, emissions and weather markets.

1a. US Power

The U.S. electric utility industry has annual revenues in excess of $300 billion and has more than 850,000 MW of generating capacity. Of that, about one-half is coal powered and the fastest growing fuel type used for generation is gas, which currently accounts for about 17% of US capacity and growing as it is generally used for the marginal generation required during peak times. Areas such as California are more hydro-powered at the margin while nuclear plants are used more in Europe than in the US (as the US essentially stopped new construction on nuclear plants following the Three Mile Island incident in 1979 although plants that were ordered earlier did come on line into the late 1980's).

The power business is undergoing profound changes the scope and depth of which is unlike anything experienced by the sector in past 50 years. In the early 1990s, a series of federal and state regulations initiated a gradual unbundling of the vertically integrated power industry affecting the entire value chain of generation, trading, transmission, distribution and retail. In the process, deregulation introduced a varied business landscape in each state; demand growth, supply costs, price volatility, capital intensity, profitability, risk and asset values can diverge from one region to another. After a decade of deregulation, the North American power industry is, at best, midway in the transition from regulation to a competitive market place. In fact, the process has now stalled resulting in a hybrid regulatory environment for the foreseeable future.

Although the U.S. is a pioneer in the federal deregulation of telecommunication, banking, and the airline industries, it has not been an early mover in opening up electricity markets to competition. Several countries including Argentina, Australia, Chile, and the U.K. have initiated restructuring towards more open power markets with reasonable success. The U.S. only slowly and haphazardly joined the efforts, which quickly spiraled out of control in California in 2000, where a combination of outrageous trading practices, tight power supply/demand economics and ineffective regulation created the perfect storm, leading many to question whether deregulation was meant to be applied to this sector in the first place. After years of trying to adopt a standard market design that would provide uniformity and consistency across the wholesale power market, the Federal Energy Regulatory Commission ("FERC") decided in mid 2003 to allow the states to chart their own course. As of mid 2003 less than half the states had enacted comprehensive regulation to set competition in motion (see below). The hybrid model we are currently experiencing today shows a relatively unregulated generation segment, while wire segments of the electricity sector- namely transmission and distribution-will continue to be regulated.

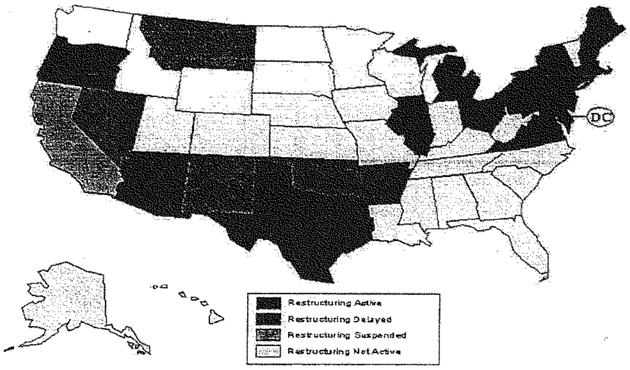


Figure I. Status of State Utility Deregulation - Spring 2003
Source:

The cost and environmental consequences of producing electricity essentially depend on the mix of technologies and input fuels used to generate it. Over 50% of the power in the US is generated from coal. Coal is regarded as the least environmentally friendly power generation technology due to its high emissions of sulfur dioxide, nitrogen oxides, mercury and carbon dioxide. Costs to operate these plants are generally low. About 20% of the nation's electricity comes from nuclear plants, which uses nuclear fission to produce steam for the plant turbines. While these are the most expensive to build, they can also have high maintenance costs but generally low operating costs. Gas turbines and combined cycle gas turbines (CCGT) are compact, reliable and versatile units that use natural gas or distillate fuel oil and account for about 15% the nation's electricity generation. While more expensive to operate, these are touted by environmentalists as the future in reduction of carbon and sulfur dioxide emissions. Renewable power provides the balance of generation in the country. These include hydroelectric, wind, solar, and geothermal sources of power. These are viewed as environmental-friendly and inexhaustible.

While demand for electricity depends on time of day, season, weather, and economic activity, there are several factors to determine which technology/fuel to use to meet normal (base load), intermediate and peak demand. Variable costs mainly refer to the expense for the fuel used to generate power. Under the optimal least cost dispatching, generators with the lowest variable costs are used first, and as demand increases the next highest variable costs are dispatched. In general, many nuclear, coal, and hydroelectric power plants are best suited to provide base load generation due to their low variable costs. Gas turbines and CCGT are best suited for intermediate and peak demand, as their ramp up time is relatively short. Additional considerations such as transmission constraints and environmental impact also play a role in the dispatch process.

Transmission refers to the transportation of large blocks of power from a central generating station to main substations close to major load centers. The transmission grid consists of high voltage overhead or underground wires where this current is stepped down to lower voltages at the load center. Currently over 70% of transmission lines are owned by investor owned utilities. No independent power producers or power marketers own transmission lines. Over the years these transmission lines have evolved into three major power grids, which include smaller power pools. The three networks are the Eastern, Western, and Texas Interconnects. Each of three has little or no connections to the others.

Because the flow of electric power across a transmission network cannot be economically directed across a particular line, management of the grid for transmission operators can be quite challenging. Power inserted into a transmission grid will take all paths to reach its destination, a process called loop flow which, under grid capacity constraints, can lead to overheating and congestion. Because of loop flow, the advent of congestion means that holding usage to capacity constraints can lead to peculiar and sometimes counterintuitive relationships between demand for power and dispatch of generating capacity. Nodal pricing or Locational Marginal Pricing (LMP) mitigates these problems as congestion prices are set at each node where power is generated or offloaded to large industrial users or local distribution networks. Nodal pricing is quite complex as there are thousands of locations where power is generated or offloaded each of which needs a nodal price when some lines are congested. Changes in demand, generator shutdowns, and other grid failures affect which lines, if any, are congested, and what the nodal prices should be. Notwithstanding, many industry participants believe there is the data and technology to set nodal prices reliably. The FERC has approved the use of nodal prices in the Pennsylvania-New Jersey-Maryland region (PJM), where it has been implemented since 1998.

Despite the assortment of electricity models and distinctive approaches to electricity market design, the Independent System Operators (ISO) in PJM, New England, New York and Texas are the most advanced market areas for power trading. In the Midwest, the Midwest System Operator should begin operation in early 2005. At this time the markets in the Southern US are resisting the pressure to restructure and appear determined to retain the traditional vertically integrated utility.

1b. Post Enron / California Landscape

Merchant energy companies provided a significant portion of liquidity and depth in the power space prior to 2001. In the post-Enron world, the exit of these distressed market leaders in the merchant sector has created a vacuum of risk intermediation and a plethora of restructuring opportunities across gas and power markets. Market conditions have further exacerbated their plight, as there is a power generation capacity glut coupled with higher input fuel prices (oil and gas) dooming them to low profits and very low return on capital. This is considerably troubling given the high cost of capital these firms require to fund their businesses due to their individual financial conditions. While most of the merchant energy firms have been selling assets, they still carry too much debt to be strong competitors in the volatile energy markets. As a group, leverage has actually increased while book capitalization has declined as they have taken writeoffs. Energy merchants will likely have to grow their way out of debt problems through an improving economy, or potentially look to reorganization strategies to improve their financial condition. Despite the recent sanguine economic data, an improved economy will not necessarily lead to an up tick in power consumption as the correlation between power usage and economic growth has diminished with the trend of offshore manufacturing.

The ratings agencies generally concur that improvement for the power sector both short and medium term looks uncertain due to significant leverage, surplus capacity and uncertain cash flows. The strategy for both borrower and lender appears to be to ride out the difficult period and wait for energy markets to improve. If this does not occur by the time recently refinanced loans come up for renewals, the ratings agencies forecast more bankruptcies.

Excess capacity still remains because

- The industry built more than it could use in the late 1990's, early 2000's.
- The expected retirement of older coal and nuclear plants did not occur as expected. Not only were older coal and nuclear plants not retired, the reverse happened. New owners acquired older plants and upgraded them dramatically, increasing efficiency and availability, and many older plants have displaced their cutting edge gas-fired combined cycle competitors. The surplus in capacity is expected to last to the end of the decade.
- Too many energy merchants thought they needed assets to address their trading requirements and tied up huge amounts of capital in this effort.
- The economy appears to need much less electricity than foreseen partly due to a shrinking manufacturing sector. Additionally, the idea that Internet usage/capacity and e-commerce would exponentially increase power demand did not play out.
- Investors underestimated congestion and transmission issues and built plants too far from final destination - There were 160 gigawatts (160,000MW) of new generation capacity created since 1998 and much of it is unprofitable, at a per megawatt cost of $300. This is a $50 billion investment pool much of which is concentrated in Texas, Illinois and Georgia. Those companies that placed plants close to fuel rather than the market now face a long cycle for asset values to recover.

Recent reports by ABN AMRO indicate there are approximately 60,000 MW (roughly equivalent to 120 power plants) of generating capacity currently for sale in the US. About 60% are classified as distressed, while the remaining are qualifying facility power (QF) or facilities that benefit from long-term power purchase agreements (PPA). While hedge funds, private equity, and some investment banks have bought co-generation facilities and QFs over the past year, they have been mainly interested in long term contracts associated with these generating units. No strategic investors or financial institutions are looking at buying merchant plants that do not have long-term supply deals. In other words, they are unwilling to take on power price market risk, but are simply monetizing or optimizing these assets. There is also the belief that in the long run power prices will rebound, giving them profits on any excess generating capacity.

In the past year and a half, several companies have defaulted on loans and turned over 15 merchant units in 7 states to the lead banks of large lending syndicates. Citibank, Societe Generale, BNP Paribas, and ABN Amro have (unwillingly) assumed about 14,000 MW of distressed generating assets. It is widely anticipated that they will own those assets, perhaps for years, as they recover their investments. From an accounting perspective, banks that repossess these assets have the ability to hold on to them for a long time as they wait for buyers. They have been reluctant to write-off assets, and the size of syndicates and the complexity of ownership of the plants have further slowed the process. There has been an attempt by these banks to negotiate long-term power sales contract but that will prove difficult with power generation being largely uneconomical due to high input fuel prices (gas and oil).

Still, the prognosis is not all gloomy. Companies like Williams and AES have successfully refinanced or retired debt; NRG emerged from bankruptcy, Aquila and El Paso sold generation and distribution assets and pipelines. More importantly, the credit and liquidity void is now being filled by financial institutions, hedge funds, pension funds and private equity and their impact is welcome (GS recent purchases of IPP Cogentrix, and El Paso's controlling interest in East Coast Power LLC). Healthy players in the industry (e.g. Entergy-Koch, which was recently purchased by Merrill, Sempra) are also looking to invest in the beleaguered sector, after demonstrating sound cash-flow and risk management while the rest of the industry has imploded.

Investment banks such as Goldman Sachs ("Goldman") and Morgan Stanley have recognized the above as unique opportunities, (largest glut in power supply and a large set of distressed players) and have invested by acquiring hard assets in power. Goldman now owns over 4,500 MW of generation capacity and their strategy has been to have a balance between physical and pure financial activity (their belief that owning a reasonable amount of physical assets will give them credibility and stability in the marketplace). Also, they think it will help their education on market dynamics, which they can leverage in their trading activities. Simply put, via asset purchases, Goldman is selectively paying for pieces of paper (e.g., power purchase agreements, tolling agreements) that are really above market power contracts. Their belief is that this paper has significant embedded optionality in it, which others do not see but Goldman can leverage via its:

- Excellence in risk management
- Ability to access low costs of capital to fund purchases (merchant energy firms cannot compete here)

Regardless, all new entrants must also learn to navigate the industry's shifting regulatory landscape.

1c. Outlook

Input Fuel

In the long run, natural gas and coal are anticipated to supply the majority of generation growth. The increase in gas demand for power generation will influence seasonal demand patterns for gas use, affecting gas storage and withdrawal patterns and transferring gas price volatility to wholesale power prices. Coal spawns continued environmental concerns. The nearer term prognosis for gas driven growth is a bit muted with exceptionally high and volatile spot and forward domestic gas prices, leading to marginal to negative spark spreads and low prices.

Generation

The capacity overbuild and the gas price run-up is reconfiguring wholesale power price expectations, generation asset values, and merchant generation viability. Oversupply is anticipated to last at least five years, and financial restructuring of beleaguered energy merchant firms is anticipated to continue for the next several years. Opportunities are shifting from power plant development to acquisition. The propagation of the clumsy mix of regulation and market forces will create new distortions, pitfalls, and opportunities.

Trading
Industry participants will be transformed as the credit crunch persists. Influx of financial firms, hedge funds and speculators will displace the struggling merchant energy players. Liquidity will recover and the credit depth of market will eventually improve. Trading will be the tool for asset optimization and risk management rather than a standalone speculation based business. A revamping of the rules and institutional framework will stabilize trading business in the future.

Transmission
Regional Transmission Operators (RTOs) will abound, but implementation will take a number of years, and different regions will adopt different timelines. Transmission will remain regulated with some niche opportunities. Higher permitted returns for greater independence in transmission by RTOs will foster transmission asset separation and consolidation, but the states' reluctance to relinquish control will slow the pace. Advanced technologies capable of ameliorating the existing grid have been held back due to uncertainties surrounding restructuring and anxiety over consequences of implementation. How the issue of transmission costs is resolved will have a great influence on nature, scope, and complexity of the market.

1d. Power Markets and Liquidity Characteristics

Wholesale
The wholesale power market is principally divided into ten North American Electric Reliability Council (NERC) regions - NPCC, MAAC, ECAR, and WECC are the most widely traded locations. Regional OTC markets, with benchmark prices where pricing relationships are governed by transmission constraints, continue to be a large part of the market. Financial/cash settled transactions are becoming an increasingly important piece of the total liquidity picture in these markets.

Futures

NYMEX futures contracts are currently only a small part of the total liquidity picture in traded power. We estimate that only 2%-3% of all power traded is done in NYMEX futures. However the relative success of NYMEX's redesigned PJM contract (released in March 2003) and the growth of financially settled power, suggest that the NYMEX share of total power liquidity will grow.

At this time NYMEX offers an exchanged traded contract on PJM, and Clearport traded contracts in NYISO, Mid-Columbia, Palo Verde and the North Path-15 and South Path-15 hubs. On November 1, 2004 NYMEX will list a contract for power traded in the New England ISO.

Physical / Financial OTC contracts - Intercontinental Exchange ("ICE")

ICE trading covers both financial and physically traded power at all the major US hubs. These contracts trade in day-ahead, weekly, monthly, and seasonal time baskets. Approximately $12bn of financially settled and $85bn of physically settled power has traded on ICE since calendar 2002. Of this $97bn notional, $27bn has traded in the 2004 year to date (Jan-Oct) period.

Physical / Financial OTC Contracts - voice
The Northeast (PJM, NY ISO, NE ISO) has the greatest liquidity both in physical and financial contracts of any other region. Of these, PJM is the most attractive market in terms of transparency, market structure, trading volumes, balance of supply and demand, and products. Peak volumes were reached in 2000 and current volumes in PJM are 50-60% of what they were at the peak, with Western Interconnect being at 30-35% of peak.

Principal players in the Northeast are regulated (purely managing their demand/supply) and unregulated (marketing/trading) arms of utilities, hedge funds, and financial firms with the top-12 players accounting for over 80% of volume. The advent of financial institutions, hedge funds, and cleared products (transfer of counterparty risk to the exchange or clearing firm) is making these markets more financial in scope, although the sour credit landscape for utilities and merchants has limited the volume and tenor one can trade. Participants in the Northeast include Dominion, Goldman, Exelon, Morgan Stanley, Select, DE Shaw, Citadel, BoA, Cinergy, PSEG, BP, and AEP.

Products featured in PJM, NE and NY include:

- forward energy markets
- day ahead and real time markets
- firm transmission rights to effectively manage congestion (FTR)
- auction revenue rights
- reserve markets - ICAP (Installed), UCAP (Unforced), ACAP (Available) and OPCAP (Operating)
- Numerous zones (key to value is understanding and pricing zonal congestion)

The Western market (WECC) is also fairly active, encompassing the states west of the continental divide. Since 2000, the WECC transmission system has been rather disorganized and fractured and the majority of trades have been physical in nature. The OTC trades transacted on trading platforms and with brokers are fairly "vanilla" in nature. Major utilities (tenors out to 2 years due to credit constraints) include PaciCorp and Arizona Public Service and financial players (tenors out to 10 years) include Goldman, Morgan Stanley, DE Shaw.

Products featured in WECC include:
- Physical forwards/swaps, and options
- Financial forwards/swaps, and options
- Some cross commodity options (e.g. gas-power spread options)

The daily notional traded in the Northeast (PJM, NE, NY) and WECC are $250mm and $150mm respectively.

1e. Power Strategy

Initially, JPMorgan would seek to transact business in NYMEX electricity futures, financially settled power in markets for which there is an independently quoted price assessment and financial and physical power in markets for which there is an Independent System Operator

("ISO"). These physical markets are expected to include PJM, New York Independent System Operator (NYISO), New England Power Pool (NEPOOL), Midwest ISO, California ISO and ERCOT (Texas ISO). Financially settled markets will include markets in all regions of the US.

An additional benefit of PJM's ISO market structure is the market for Financial Transmission Rights (FTR's). The FTR is a hedging device by which parties can lock in the effects of congestion so that a seller in one zone can conduct business with a buyer in another zone without taking on the risk than unanticipated changes in supply, demand, or transmission capacity will change the expected spread of the transaction. Through FTR trading, speculators can avoid taking outright power price risk, and trade instead in the relationships between power market prices

This strategy allows JPMorgan to complete the natural triangle of oil, gas and power offerings. JPMorgan would also seek to leverage the exceptional opportunities our broad investment bank can bring (hedging and credit intermediation opportunities) and also leverage opportunities, particularly asset management opportunities, that JPMorgan Partners may create (e.g., offer generation, dispatch and optimization services on a fixed fee or profit sharing basis).

1f. Power Client Set

As with our other commodity offerings, credit is a significant hurdle to overcome as many of the clients where the opportunity is greatest are credit challenged. However, we believe that we are at the middle of the cycle whereby many of these companies are working through improving their balance sheets and cash flow models and thus we expect that this situation will improve within 12-24 months which fits reasonably well with our current timeframe for implementation.

Targeted Client set includes:

- Utilities (load serving entities)
- Municipalities
- Producers
- Refiners
- Commercial and industrial users (energy intensive end users) - e.g. heavy industry and technology sector (layering in hedging commodity risk as part of an banking transaction)
- Merchant energy companies (although credit environment has not ameliorated for most),
- Independent Power Producers (IPPs)
- Financial and Investor/Hedge Funds
- Distressed merchant companies (restructuring opportunities, novations, credit enhancing structures)

2. US Coal

There are several standardized coal specifications that are actively traded OTC. In the Western US, the largest producing region is the Powder River Basin, and contracts for PRB 8400 and PRB 8800 Btu are traded actively. The market is largely physical and trades in train lots of 14,500 short tons. Both barge and rail coals are actively traded in the Eastern US. The market is largely physical and trades in train lots of 10,000 short tons. An OTC NYMEX look-alike product is based on the NYMEX futures contract. There also brokers such as Evolution Markets which act as an introductory broker in facilitating NYMEX futures transactions via the NYMEX Clear Port platform.

As much of the coal originating from the Kanawha River mimic NYMEX specifications, prices are often quoted at a discount (or basis) to NYMEX or NYMEX look-alike. Central Appalachia (CAPP) trades in trainloads of 10,000 tons for either 1% sulfur or compliance sulfur originating typically from either the Big Sandy or Kanawha freight districts on the CSX railroad or the Kenova and Thacker freight districts on the NorfolkSouthern Railroad.

The OTC coal market has developed to serve traders, producers, energy merchants, and consumers of coal with new instruments to hedge against price exposure and minimize the risks of volatility. OTC coal markets allow participants to separate financial decisions from physical markets. The coal industry can benefit from the use of calls, puts, price collars, and swaps to manage volume as well as price flexibility, thereby maintaining acceptable rates of return on their investment.

In a shift from their response just months ago to high spot coal prices and tight inventories, utilities are starting to enter into long-term contracts with coal companies, according to coal executives and brokers.

With tight markets set to continue if not worsen, utilities are realizing that the sharp rise in coal prices in the past year and recent capacity shortages represent more than just cyclical factors according to executives at some of the nation's largest coal producers. Utilities are beginning to recognize higher prices and are locking into longer-term price protection despite these high prices. The willingness to lock in prices that are nearly double year ago levels for eastern coal signals that utilities are expecting prices to stay near current levels or rise higher and that they are concerned about contracting for supplies as coal mines and railroads, especially in the eastern U.S., struggle to meet demand.

Coal customers are realizing that coal companies are undercapitalized when it comes to meeting some of the unexpected demand growth and dealing with some of the geological problems encountered recently. In order to secure access to coal in what may remain a tight market for some time, utilities are in talks with coal companies about helping to finance the construction of new seams or mines. However, to undertake such large projects, the utilities would have to make a large financial commitment, including signing up for at least 10-15 year contracts and committing to purchase a fairly high percentage of the coal from a new project.

Such deals are being considered in light of the tightest coal market in well over a decade, but the difference between this and the conventional two to four year term deals that have recently been signed is that utilities would not enter a fixed-price deal for such a long period. It is believed these proposed deals would have "re-openers" every two to three years based on spot or futures prices prevailing at the time. The downward sloping futures curve allowed utilities to sign term deals that were probably at somewhat lower prices than the most liquid 2004 futures contracts.

One of the key factors leading to short-term market tightness is the difficulty in delivering coal to customers by rail. Unprecedented freight volumes and delivery problems by CSX and Union

Pacific (UP) have contributed to some of the lowest utility stockpiles of thermal coal seen in years, though this has been compounded by a number of other factors.

3. US Emissions

The 1990 Clean Air Act (CAA) is the most recent version of a federal law first enacted in 1970 (often referred to as the 1990 amendments to the Clean Air Act). The CAA sets deadlines for achieving reductions in air pollution, describes the role of the Environmental Protection Agency (EPA) and individual states in implementing air quality goals, and provides for market based programs, giving rise to the traded emission markets.

Changes to the Clean Air Act would have the potential to alter fundamentally the traded emission markets. The successful track record of these market based programs combined with the required congressional action to change this law, lead us to believe that any fundamental change to these programs is a small probability event.

Some embedded regulatory risks remain. New Source Review regulations contained in the CAA describe the pollution control equipment required when a new generating unit is constructed or when an existing unit receives "significant" modification. A review (and some say a reinterpretation) of these rules under the Clinton administration resulted in the EPA filing a rash of lawsuits against many of the largest producers of electricity.

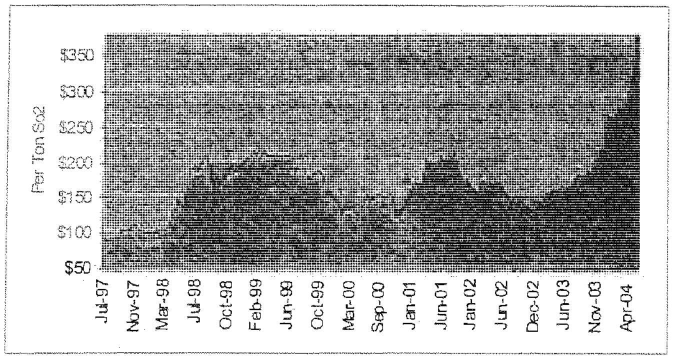
If the EPA prevails in these lawsuits it is likely that utilities would be required to embark on an accelerated path of pollution control equipment construction. The likely result would be a decreased reliance on the traded emission markets as a tool for complying with air quality mandates.

Current CAA Programs
- Acid Rain Program (S02)
- Federal NOx Budget Trading Program
- New Source Review (NSR)

Current Regional Programs
- Houston/Galveston NOx
- RECLAIM
- Renewable Energy Credits
- Chicago Climate Exchange

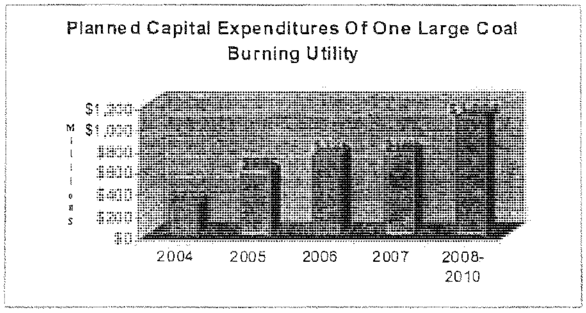
Future Programs
- Clear Skies Legislation - "3P"
- Clean Air Interstate Rule (Sect. 110 CAA)
- Mercury M.A.C.T. (Final rule Dec, 2004)
- Regional Haze Rule (Sect. 169 CAA, BART)
- 8-Hour Ozone Standard
- Clean Power Act (S.B. 556) - "4P"
- Renewable Portfolio Standards

Historical Price Of One Ton Spot Settled So2



Source:

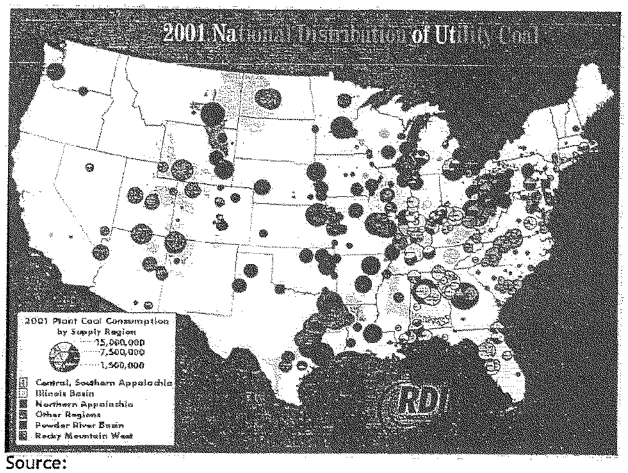
Fig 2 above - The impact of more stringent environmental compliance is reflected in the traded price of emission allowances



Source:

Fig 3 above - The only alternative to expensive allowances is to embark on massive capital expenditure programs.

Fig 4 below - Mid-Western utilities are coal-intensive.


2001 National Distribution of Utility Coal
2001 Plant Coal Consumption by Supply Region
15,000,000
7,500,000
1,500,000
Central, Southern Appalachia
Illinois Basin
Northern Appalachia
Other Regions
Powder River Basin
Rocky Mountain West
RDI

Source:

3a. SO2 (Sulfur dioxide)

The SO2 Emission Allowance is a defined and homogenous tradable instrument. The Acid Rain Program falls under Title IV of the 1990 Clean Air Act Amendments and was established to achieve significant reductions in the emissions of sulfur dioxide (SO2) and nitrogen oxide (NOx), the primary causes of acid rain. The regulations state that emissions of SO2 in the U.S. must be reduced by 10 million tons below the 1980 emission levels. Essentially, every major fossil fuel-burning electric production facility in the United States is affected under Title IV.

The Acid Rain program is based on a "cap and trade" design. In the SO2 Allowance Program, affected utility units are allocated allowances, based on their historic fuel consumption (1985-1987) and a specific emissions rate (the lower of actual emission rate during the baseline years or1.2 lbs. SO2 per million BTU fuel input). Currently, we are in Phase II of the program (beginning in 2000) when the Act sets a permanent cap for a total of 8.95 million allowances to the affected utilities. Each allowance permits a unit to emit one ton of SO2 during or after a specified year. The EPA, in a central database called the Allowance Tracking System (ATS), records SO2 allowances. Allowances are issued in the ATS on a vintage-year basis from 2000 to 2030. On an annual basis,. for each ton emitted, one ton is then retired in the ATS. This reconciliation process takes place by "freezing" the regulated unit's ATS account for the given vintage year or previous vintage year allowances on March 1st of the following year. After the EPA has reviewed all documentation to justify the actual emissions levels for the previous year, the corresponding number of allowances is deducted from the unit accounts and the accounts are unfrozen (usually within 60 days).

Affected sources with a shortfall of allowances may buy them from sources that have reduced emissions below their allocated level. Unused allowances of a given vintage year may also be "banked forward" to the next or future years. Participation in the SO2 allowance market is not limited to affected sources; any individual or entity may open a general account with the EPA and acquire allowances. The SO2 program is the most liquid of the environmental markets and trades actively on a daily basis

3b NOx (Nitrogen Oxide)

NOx emission allowances were originally created under regulations implemented [illegible] a coalition of northeastern state air regulators called the Ozone Transport Commission (OzTC). The OzTC's 1994 Memorandum of Understanding (MOU) controlled interstate transfer of ozone pollution in 11 northeastern states and the District of Columbia by establishing a budget or "cap" of summertime (May 1 - September 30) NOx emissions for all major sources, including utility and IPP electricity generators larger than 15 MW and large industrial boilers with a heat input of 250 MMBtus/hr or greater.

While regional and seasonal in scope, the regulations and marketplace were quite similar to the federal SO2 emission allowance cap and trade program. A defined and homogenous tradable instrument, the NOx emission allowance was created for emissions compliance starting in 1999. While the program was implemented on a state-by-state basis, the regulations governing the trading of NOx emission allowances were fairly consistent from one state to another, and there have been no interstate restrictions placed on the transfer and use of credits throughout the region (i.e., New York State NOx allowances may be used for compliance in Massachusetts, or any other state in the region). While 11 states signed the MOU, there were 9 States that were actually participating in the trading program, including CT, DE, MA, MD, NH, NJ, NY, PA, and RI.

The NOx SIP Call budget-trading program superceded the OzTC program in 2003. This new program was created in response to the EPA's call for State Implementation Plans (SIPs) to reduce the transport of ozone pollution over broader geographic regions of the country. Under the SIP Call program the NOx trading region has expanded considerably from eight remaining OzTC states (NH dropped out of trading in 2003 since it was excluded from the EPA regulations) to 19 states, the number of sources increased from 300 under the previous regime to 1500 under SIP Call rules. In addition, the number of allowances expanded from 135,000 to approximately 500,000 per year.

The NOx SIP Call program is implemented in two phases. On May 1, 2003, facilities regulated under the previous regulatory regime (OzTC affected sources) were required to reduce emissions by 35-40% as the standard was ratcheted down to 0.15 lbs. NOx/MMBtu from approximately 0.23 lbs. NOx/MMBtu. Under this program, all wholesale electric generators with a nameplate rating of 25MW or larger (EGUs), large industrial facilities such as steel, chemical, pulp and paper, and refining that have boilers with heat inputs of 250 MMBtu per hour and larger (non-EGUs), and in some states, cement kilns are affected. The emissions reduction obligations are differentiated by industry sector, with EGUs making roughly 80-85% reductions from prevailing levels in the late 1990s, while non-EGUs are obligated to reduce NOx emissions by roughly 65% from the same baseline period and cement kilns are required to make 35% reductions.

In 2004 the SIP NOx program entered a second phase. On May 31, 2004 (and May 1 each year thereafter), sources in an additional 11 states are required to control NOx to the same levels as sources in the original eight state region. The states that are currently affected under the final program are: AL, CT, DE, IL, IN, KY, MA, MD, MI, NC, NJ, NY, OH, PA, SC, TN, VA, WV, and DC. Parts of Georgia and Missouri are expected to participate in future years as well.

Affected sources are allocated allowances by their respective state governments. One allowance permits an affected source to emit one ton of NOx during the control period for a given vintage year. Allowances and transactions are recorded in the EPA NOx Allowance Tracking System (NATS). On an annual basis, for each ton emitted during the ozone season, one ton is retired in the NATS. This reconciliation process (also known as "true-up") takes place by "freezing" the regulated unit's NATS account for the given vintage year or previous vintage year allowances on the last business day of November of the vintage year. After the states have reviewed all documentation to justify the actual emissions levels for the specific ozone season, the corresponding number of allowances are deducted from the unit accounts and the accounts are unfrozen (usually within 90 days).

Prior to true up, affected sources with a shortfall of allowances may buy them from sources that have reduced emissions below their allocated level. Unused allowances of a given vintage year may also be "banked forward" to the next or future years. However, the states have imposed a restriction on banking in the form of "progressive flow control" (PFC). PFC requires that there be discounted compliance value to banked NOx allowances if the region-wide surplus of banked allowances exceeds 10% of that year's total allocation. The discount factor is not linear and is cumulative.

Participation in the NOx allowance market is not limited to affected sources; any individual or entity may open a general account through the EPA and acquire allowances. The NOx program is a fairly liquid environmental market and routinely trades on a daily basis. Many different transaction structures are available for trading including immediately settled, forward settled, swaps, and option transactions.

3c Some Competitor metrics

Cantor Fitzgerald

- Most active non-utility player in the traded emission markets.
- Act as broker, risk taking principal and risk-less principal.
- Transacted over 11,000,000 tons S02 between April 1993 and Nov 2003 ($1.9bn notional)
- Transacted nearly 17,000 tons NOx between Feb 2002 and Nov 2003 ($51mm)

Barclays Bank

- Manage residual position from a structured Enron transaction.
- 2,000,000 tons S02 transacted between Dec 2001 and Sep 2003 ($350mm)

Morgan Stanley

- Most active pure speculative financial player.
- 1,500,000 tons S02 transactions recorded between Feb 2002 and Nov 2003 ($263mm)
- 30,000 tons Nox transactions recorded between Feb 2002 and Nov 2003 ($90mm)

Citibank

- Records indicate they have acted as risk-taking principal
- Have taken title to allowances and held them beyond a "legal instant".
- 788,000 tons S02 transacted between May 1995 and August 2003 ($138mm)

Harvard Asset Management

- Involved in speculative interest rate arbitrage transactions.
- 160,000 tons S02 transacted between Jan 2001 and August 2001 ($28mm)

ABN Amro

- Frequently bids in annual EPA S02 auction as agent for a utility player.
- No transactions recorded on EPA transaction website

4. Weather

The weather derivatives market was developed in response to the deregulation of the power industry. The emergence of the wholesale power market forced the role of the utility to change from a monopoly to a market participant. Now forced to manage their exposures, these companies needed a financial vehicle to help manage their weather risk. The initial structures were designed and transacted by large energy trading companies. Re-Insurers and financial institutions soon entered the market. The market has now expanded to include end user industries that are affected by the weather, such as beverage sales and agriculture.

Unofficially, the OTC market began in 1996 when Koch Energy and Enron completed a HDD swap for the winter of 1997 in Milwaukee, WI. According to a Price Waterhouse Survey, the market has since grown into a $4.2 billion notional market value with approximately 4,000 exchange contracts trading two years ago.

Some key players in the market include:

- Energy Marketers/Utilities: In the regulated energy market, utilities were allowed to pass through losses associated with the weather to ratepayers. This is no longer the case. Utilities and power marketers now turn to the over-the-counter weather derivative markets to hedge exposure to the elements. As the first major participants, some utilities and energy marketers have become market makers with proprietary trading operations.

- Insurance/Reinsurance: Insurance and reinsurance companies are the natural supply of risk capacity for the market. Historically, their role has been to provide catastrophic insurance for major weather events such as hurricanes and floods. Recently, they have begun writing non-catastrophic weather insurance policies. Although most of these companies do not deal directly in the derivatives market, writing weather insurance is an important part of supply-demand balance of the market

- Transformers: Transformers have emerged to provide an important bridge between weather insurance and the weather derivatives market. Weather insurance and derivatives are parallel markets. They are both used for risk management. Counterparts wishing to convert an insurance policy into a derivative or vice versa turn to transformers for this service.

- Financial Institutions: The emergence of the financial institutions in weather derivatives markets brings major benefits. One is the opportunity to cross-market weather products to their existing customer base. Another benefit is the depth and breadth of their trading experience.

We believe the weather derivative authorities are a natural extension of our customer-driven push into power, coal and emissions, and given they are financially settled in nature, the integration of this product-set into our what we can offer our diverse client set is only logical.

Examples of weather contracts:

Average Daily Temperature
The average of the Tmax and Tmin for a given day as defined 12:00 am to 12:00 pm

Average Temperature Contract
The mean of the average daily temperature for a given term
(Ex. Average temperature for Summer 2004)

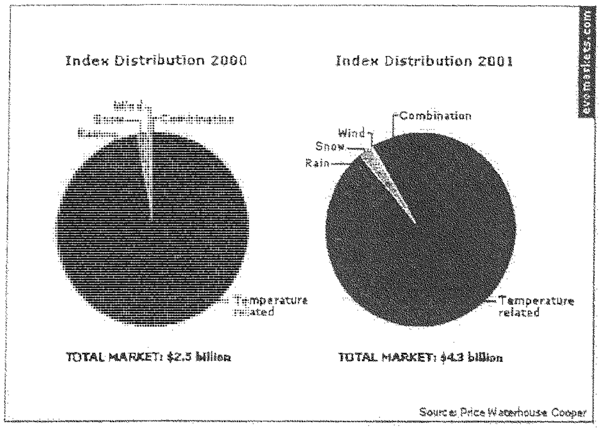
Base-line
The baseline is the value from which an index is calculated i.e. 65 degrees Fis the baseline for HDD & CDD contracts

CDD
The average temperature for a given day less the baseline of 65°F
a. Average temp 75°F
b. [75°F-65°F] = 10 CDD

HDD
The baseline of 65 oF less the average temperature for a given day
a. Average temp 55°F
b. [65°F-55°F] = 10 HDD

Tmax
The maximum temperature for a given day as defined by 12:00 am to 12:00 pm

Tmin
The minimum temperature for a given day as defined by 12:00 am to 12:00 pm



Source: Price Waterhouse Cooper

Fig 5 above - Market Activity in weather derivatives
Source:

5. Risk Limits

It is anticipated that we will initially require an incremental increase in VAR of $5-10mm for the overall Energy business to accommodate financially settled power, coal, emissions, and weather. The total standalone VAR for the new businesses is not envisaged to be greater than $10-12 million. Although the depth and liquidity of cash settled power swaps and options are ever increasing with the flux of financial players, we will manage the business under tenor limits for swaps and options.

6. Operational Infrastructure

Trade capture, risk, PNL, confirmation, settlement and accounting would be performed in ENDUR. Ops groups reside in both New York and London. Ops can currently support 300+ energy, base metal and soft indices. The ENDUR V6.0, which the business is migrating to in early Q4, contains the financially settled power module for all of the authorities we are requesting. It also contains the physical-scheduling module called PMOTION, which the business will activate once the FERC power-marketing license has been approved. The coal and emissions does not use a separate module within Endur but uses existing ones.

ENDUR
* Front, middle and back-office system, which supports Global Commodities Energy, Base metals and Soft Commodities groups.

Some of the key features are:
* Supports Global Trading Environment.
* Ability to price deals with industry-standard analytics
* Automated interface that allows Endur to accept prices and volatilities from trader publishing sheets and Volmeister system in London.
* Integrated generation of confirmations via Lotus Notes server
* Automated interface to Corporate Settlements system
* Daily creation of postings to Corporate General Ledger
* Daily feeds to Corp Risk Management systems (e.g. VARS)

SIERRA
* Global solution platform for Exchange Traded Futures & Options and JPMorgan's proprietary trading or house business.

- Sierra has 2 modules - Exchange Traded Back Office: Used for P&L, margin maintenance, broker feeds and regulatory reporting. 2) General Ledger: Maintains internal GL within Sierra that has been leveraged to feed JPMorgan's global GL systems - Accounting, Tax Implications, Funding, Legal

Sierra will support the exchange-traded power contracts that trade on NYMEX, CCX

VERVE
* Global Markets client value reporting system. Currently reports client value information for the majority of Credit and Rates Markets products.
* Verve uses Business Objects to produce reports that are viewed by senior business and sales management through Salesweb.
* Main users of Verve are front office sales support and marketing support groups globally.

VARS
* Value at Risk system
* Application collects positions from every business unit, calculates hypothetical market values, according to 265 historical and 3 corporate stress test market shock scenarios, and calculates, with 99% confidence level, maximum value portfolio may lose tomorrow. Underlying data history of the power markets (hub and nodal data) will be extracted from Platts Spot and fwd curve assessments. Coal and emissions data will most likely also be sourced from Platts.

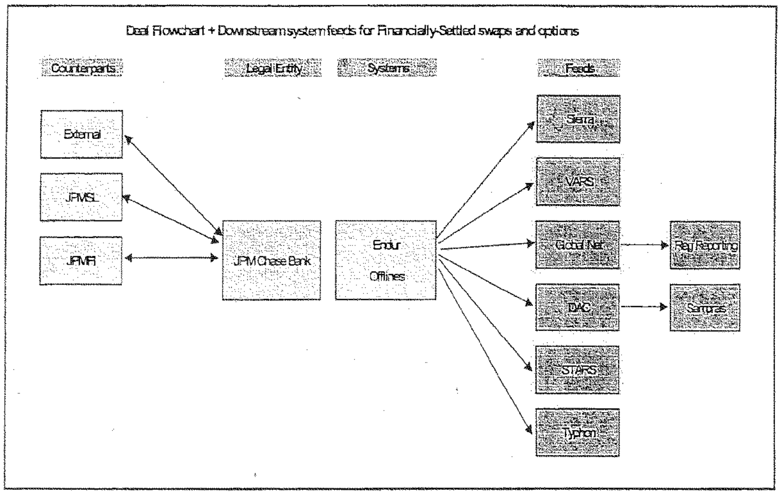
WDC
* Internal system used to move funds between JPM DDA accounts at the permission of the counterpart or other JPM internal areas.
* System used by settlements area

FTPC
* Fund Transfer Processing
* Internal JPM system used to execute outgoing wires through Global Commodity Derivatives DDA account.

GFP
* Global Funds Processing

* Internal JPM system used to view intra-day money movements through the Global Commodity Derivatives

DDA account.
* No prior day information is available online due to nature of DDA account.
*System used by settlements area



7. Counter-party Credit

The proposed new activity will leverage off existing feeds wherever applicable. Additional feeds to Global Net, DAC and Sampras will be scoped out and tested prior to go live. Given the cash settled nature of the business, we intend to use existing ISDA documentation wherever applicable.

From:	Lenczowski, Mark
To:	Kirk, Mike
CC:	Kelly, Paul Mark; Nakkab, Armand X; Russin, David
Sent:	2/28/2013 10:26:46 PM
Subject:	MRA Review

Mike,

Below are the material breaches pertaining to 1) positions that are not eligible to be portfolio-hedged in the Bank and 2) positions that are eligible to be portfolio-hedged, in each case for December 2012 and January 2013. We have defined "material breaches" as those that A) were greater than $1mm over the relevant limit or, for volumetric limits, greater than 10% over the relevant limit, or B) were outstanding for more than three business days.

1) The breaches in the case of category 1 were the result of not booking back-to-back trades correctly or in a timely manner. The December breaches related to steel were not escalated to the OCC based upon our previous determination of "materiality", which we are no longer using, and the coal breach was not escalated as it was a one-day breach. Going forward, we will report all material breaches in these books as soon as they occur.

- Plastics
    - Period of breach - December 3rd through January 15th
    - Amount of breach – the amounts ranged from a low of 8 LBS on December 3rd to a high of 549,186 LBS on January 10th (approximate market value of $549,186 based upon $1/LB)
    - How breach was identified – a review of the Bank Limits report noted the limits were erroneously changed from zero to a non-zero limit. The Bank Limit reporting has been moved to MaRRS in order to improve controls over limit changes.
    - How breach was resolved – BTB trades were booked/amended between Bank and VEC in the risk management system, and the limits were reset to zero.
- Palm oil
    - Period of breach – January 8th
    - Amount of breach - $1mm delta notional
    - How breach was identified – a review of the Bank Limits report by noted the limits were erroneously changed from zero to a non-zero limit. The Bank Limit reporting has been moved to MaRRS in order to improve controls over limit changes.
    - How breach was resolved – BTB trades were booked/amended between Bank and VEC in the risk management system, and the limits were reset to zero.
- Steel
    - Period of breach – December 17th through December 19th and January 31st
    - Amount of breach - the breaches ranged from a delta notional of $1,024,909 to $1,677,293.

  - How breach was identified – a review of the Bank Limits report noted the positions were not zero.
  - How breach was resolved – BTB trades were booked/amended between Bank and VEC in the risk management system.
- Coal
  - Period of breach – January 21
  - Amount of breach - 225,000 MT (approximate MV of $21,375,000 based upon $95/MT)
  - How breach was identified – a review of the Bank Limits report noted the positions were not zero.
  - How breach was resolved – BTB trades were booked/amended between Bank and VEC in the risk management system.

2). The material breaches of portfolio-hedged transactions all occurred in the oil book. These breaches were not escalated to the OCC as we had believed that these breaches, occurring in a book eligible to be portfolio-managed in the Bank and pertaining to limits designed as risk management guidelines, did not require escalation. Going forward, we will report all material breaches in these books as soon as they occur.

  - Period of breach – December 13th, December 18th through December 21st and January 23rd.
  - Amount of breach – the volumetric limit for oil is 3,375,000 barrels and noted below are the position and overage for each of the breaches. For the aforementioned dates there were no breaches of the dollar delta limits for any of the individual products or the total.
    1. December 13th - Position 4,725,355; overage 1,350,355 (MV @$90/barrel $121,531,950)
    2. December 18th - Position 4,167,769; overage 797,769 (MV @$90/barrel $71,349,210)
    3. December 19th - Position 4,432,002; overage 1,057,002 (MV @$90/barrel $95,130,180)
    4. December 21st - Position 4,075,698; overage 700,698 (MV @$90/barrel $63,062,820)
    5. January 23rd - Position 3,770,000; overage 395,000 (MV @$90/barrel $35,550,000)
  - How breach was identified – a review of the Bank Limits report noted the positions were not zero.
  - How breach was resolved – risk was transferred to VEC from Bank via OTC trades.

As this e-mail includes certain information which is confidential and proprietary in nature, the Bank respectfully requests that it be accorded confidential treatment pursuant to 5 U.S.C. § 552(b)(4) and be designated as confidential commercial information pursuant to 12 C.F.R. §4.16(b)(ii). The Bank also requests that it be notified promptly of the request of any person for disclosure of this message so that it may take appropriate steps to seek to prevent such disclosure by supplementing the reasons that, in the Bank's opinion, qualify this message for confidential treatment.

Please let me know if you have any questions.
Thanks,
Mark

THOMAS R. CARPER, DELAWARE, CHAIRMAN

CARL LEVIN, MICHIGAN
MARK L. PRYOR, ARKANSAS
MARY L. LANDRIEU, LOUISIANA
CLAIRE McCASKILL, MISSOURI
JON TESTER, MONTANA
MARK BEGICH, ALASKA
TAMMY BALDWIN, WISCONSIN
HEIDI HEITKAMP, NORTH DAKOTA

TOM COBURN, OKLAHOMA
JOHN McCAIN, ARIZONA
RON JOHNSON, WISCONSIN
ROB PORTMAN, OHIO
RAND PAUL, KENTUCKY
MICHAEL B. ENZI, WYOMING
KELLY AYOTTE, NEW HAMPSHIRE

RICHARD J. KESSLER, STAFF DIRECTOR
KEITH B. ASHDOWN, MINORITY STAFF DIRECTOR

United States Senate
COMMITTEE ON
HOMELAND SECURITY AND GOVERNMENTAL AFFAIRS
WASHINGTON, DC 20510-6250

March 11, 2013

VIA U.S. MAIL & EMAIL (davisjz@sec.gov)

The Honorable Elisse B. Walter
Chairman
United States Securities and Exchange Commission
100 F Street, NE
Washington, D.C. 20549

RE: JPM XF Physical Copper Trust, Form S-1
Registration Statement (Amendment No. 6: filed Jan 17, 2013)

Dear Chairman Walter:

The purpose of this letter is to express concern about the inadequacy of the disclosures in the above referenced Form S-1 Registration Statement (S-1) filing for the JPM XF Physical Copper Trust (JPMXF). The JPMXF registration statement was initially made October 22, 2010, and amended 6 times subsequently. The most recent S-1, filed on January 17, 2013, is incomplete on its face and should not be declared effective until it adequately describes the nature and scope of the activities of JP Morgan Chase & Co and its affiliate entities' (JPMorgan's) in the physical copper market, including its inventory positions and its role in mining, financing, refining, storing, transporting, and trading physical copper; its long and short copper positions in the futures, swaps, and options markets; and its policies, procedures, and practices for pricing services from related parties, identifying and resolving conflict of interest issues, and preventing and detecting any price manipulation, squeezes, corners, and price distortions by JPMorgan affiliates in the copper market.

Absent detailed information on these activities, the S-1's disclosures concerning J.P. Morgan's market power and its potential or actual conflicts of interest are insufficient to meet the requirements of the law. This letter respectfully requests that the Commission, pursuant to its authority under Section 8(b) of the Securities Act of 1933,[1] require more complete disclosure of these material activities prior to declaring an effective registration statement for JPMXF Physical Copper Trust.

---

[1] Section 8(b) states:

> (b) If it appears to the Commission that a registration statement is on its face incomplete or inaccurate in any material respect, the Commission may, after notice by personal service or the sending of confirmed telegraphic notice not later than ten days after the filing of the registration statement, and opportunity for hearing (at a time fixed by the Commission) within ten days after such notice by personal service or the sending of such telegraphic notice, issue an order prior to the effective date of registration refusing to permit such statement to become effective until it has been amended in accordance with such order. When such statement has been amended in accordance with such order the Commission shall so declare and the registration shall become effective at the time provided in subsection (a) or upon the date of such declaration, whichever date is the later.

A. Background

Exchange Traded Funds. Exchange Traded Funds (ETFs) enable investors to buy and sell shares in a fund on a stock exchange in the same way that investors can use the stock exchange to buy and sell shares in a corporation. ETFs linked to commodities appeared on U.S. stock exchanges for the first time in 2004, when an ETF linked to gold was offered for sale. Today, retail investors and other market participants can use stock exchanges to buy and sell shares in a wide variety of commodity-based ETFs, some of which track broad commodity indexes, others of which track sub-indexes, and some of which reference a single commodity. By buying and selling these shares, commodity-based ETF traders gain exposure to commodity prices without having to transact business on a commodity exchange subject to oversight by the Commodity Futures Trading Commission (CFTC).

JPMXF in General. According to its filings, JPMXF is structured as a trust whose assets are limited to a single physical commodity, copper. The ETF's investment objective is to track the spot price of copper, less trust expenses and fees, and provide its shareholders with exposure to changes in the commodity price. The ETF does not sell or redeem individual shares, but instead sells large blocks or "Creation Units," in units of 2,500 shares each, to broker-dealers or other financial institutions known as Authorized Participants (AP). In return, as a condition of the sale, APs are required to deliver to the ETF a specified amount of the physical commodity to support the value of the ETF shares being issued. APs then sell the individual ETF shares to investors through the stock exchange. If the commodity price increases, the shares increase in value, and the investors gain; if the spot price drops, the shares fall in value, and investors lose. If the fund attracts more investors, the ETF would likely sell more Creation Units (or blocks of shares) in exchange for additional physical copper deliveries to support those shares; if investments in the fund decrease, the ETF would likely reduce its commodity holdings. The copper underlying the ETF may be purchased in cash markets or in commodity futures markets.

The S-1 filing also discloses that JPMorgan affiliates will play an active role in JPMXF, filling key administrative posts as well as acting as the purchaser of the initial Creation Units, as an Authorized Participant selling the initial shares to investors, as a market-maker encouraging the buying and selling of JPMXF shares, and as a physical dealer for the copper backing the Trust.[2]

JPMXF would be one of the few asset-backed ETFs on U.S. stock markets, and would be the first to rely on copper for its value. While the SEC already permits U.S. exchange sales of commodity-backed ETFs for gold, silver, platinum, and palladium, those precious metals and their markets are substantially different than the industrial market for physical copper. Prior to the establishment of commodity-backed ETFs for gold, silver, platinum, and palladium, these four precious metals were already treated as world currencies and commonly held for investment purposes. The supply and demand functions for these precious metals were already a combination of those who needed the metal for commercial or personal uses (for example, to make electronic components) and those who sought to hold it as passive asset (for example, to hedge against inflation).

---

[2] Registration Statement, at p. 92.

Conversely, copper has not historically been held for investment purposes. It is, relative to precious metals, very expensive to store and difficult to transport.[3] Its supply and demand functions have traditionally been set according to commercial and personal uses only, and not as a store of value. Thus, for the first time, fabricators, manufacturers, and other industrial businesses who use copper will be forced to compete in the marketplace against the Trust and others seeking to hold the copper as a passive asset, thus changing the dynamic of copper's supply and demand functions.

For that reason, acquiring and holding copper for investment purposes will have a significantly greater impact on the physical copper market than ETFs holding palladium, platinum, silver, or gold had or have on their respective physical markets[4] and the broader economy[5]. In addition, because it appears to participate extensively in all aspects of the copper market, as detailed below, JPMorgan may be positioned and incentivized to effect or benefit from changes in the value of copper and participation in the ETF. Those interests may be at times in line with, and at times against, the investors in the ETF. For example JPMorgan's interests in negotiating high warehouse fees or shorting copper futures may contradict investors' interests in low administrative expenses and higher copper prices. Further, JPMorgan's other business interests may directly or indirectly benefit from copper price distortions, squeezes, corners, or other price manipulations, which the Trust may knowingly or unknowingly help them to achieve.

Subcommittee Investigations. The Permanent Subcommittee on Investigations, which I chair, has conducted several in-depth investigations into commodity markets, examining how excessive speculation can overwhelm normal supply and demand factors and increase prices at the expense of consumers and American businesses.

In 2006, for example, the Subcommittee released a report which found that billions of dollars in commodity index trading on the crude oil market had pushed up futures prices in 2006, caused a corresponding increase in cash prices, and was responsible for an estimated $20 out of the then $70 cost for a barrel of oil.[6] In 2007, the Subcommittee released a report showing how a single hedge fund named Amaranth made huge, speculative trades on the natural gas market using futures on a regulated futures exchange and swaps on an unregulated electronic energy exchange.[7] This trading activity pushed up futures prices and increased natural gas prices for both families and American businesses.

---

[3] JPM XF Physical Copper Trust, Form S-1 Registration Statement, Amendment (1/17/2013) (hereinafter "Registration Statement"), at p. 40-41.

[4] See "Speculative Influences on Commodity Futures Prices," (2010), by Christopher Gilbert, http://unctad.org/en/docs/osgdp20101_en.pdf, at p.8

[5] See "The Growing Financialisation of Commodity Markets : Divergences between Index Investors and Money Managers," Journal of Development Studies, Vol. 48 , Issue 6, (2012), Jörg Mayer (UNCTAD), at p.752-753.

[6] "The Role of Market Speculation in Rising Oil and Gas Prices: A Need to Put the Cop Back on the Beat," U.S. Senate Permanent Subcommittee on Investigations Report, S.Prt. 109-65 (6/27/2006).

[7] "Excessive Speculation in the Natural Gas Market," U.S. Senate Permanent Subcommittee on Investigations, S. Hrg. 110-235, (6/25/2007).

In 2009, the Subcommittee released a bipartisan 260-page staff report and held a hearing examining commodity index trading in the wheat market.[8] One key topic was the impact of commodity index-based ETFs on futures contracts and commodity prices. Essentially, the report found that the purchase of wheat futures contracts to support the commodity index financial instruments, including ETFs, swaps, and exchange traded notes, had created a new demand for those futures contracts; had distorted the prices of those futures contracts by overwhelming normal supply and demand factors; had interfered with the convergence of wheat futures and cash prices; and had hurt American businesses and consumers by causing unreliable wheat prices and hedging failures.

In 2011, the Subcommittee held a hearing on excessive speculation in commodity markets and compliance with the Dodd-Frank Act. We studied the rise of commodity-related Exchange Traded Products, commodity index funds, and the mutual fund industry.[9] Our investigation discovered that these funds had put billions of dollars in speculative money into U.S. commodities markets, causing increased price volatility. The investigation indentified the risk posed to the American economy from unstable prices for materials essential to industry, including copper.[10]

In 2012, the Subcommittee investigated mutual fund speculation in the commodity markets. Through our investigation we learned that IRS private letter rulings had allowed mutual funds to use either wholly-owned offshore corporations or financial instruments called "commodity linked notes" to make unrestricted commodities investments. The IRS rulings unleashed billions of dollars in new speculative commodity investments.[11]

Copper Market Background. The global copper supply comes either from primary production through the extraction and processing of copper ore or from secondary production through the recycling of copper scrap. The supply of copper is relatively inelastic, in part because extraction from old mines is declining and new mine projects have encountered delays.

Copper is used in vital industries such as the construction, electrical, and electronics industries. It is used to produce cable and wire used in power transmission and generation and in telecommunication, as well as for pipes used in plumbing and heating. Copper demand comes from fabricators and manufacturers who create these products, and copper is used as an end product by consumers throughout the world.

The majority of the copper produced annually is sold though long-term supply contracts. While such contracts specify the amount of copper to be delivered, price is typically not fixed until the time of delivery, exposing market participants to price uncertainty. Copper prices tend to experience wide and unpredictable fluctuations. Producers and consumers participate in copper futures exchanges to hedge against this price instability. Speculators also participate in these exchanges, buying price risk in exchange for potential profit.

---

[8] "Excessive Speculation in the Wheat Market," U.S. Senate Permanent Subcommittee on Investigations, S. Hrg. 111-155, (7/21/2009).

[9] "Excessive Speculation and Compliance with the Dodd-Frank Act," before the U.S. Senate Permanent Subcommittee on Investigations, S. Hrg. 112-313, (11/3/2011).

[10] Id., Opening Statement of Senator Carl Levin.

[11] "Compliance with Tax Limits on Mutual Fund Commodity Speculation," Opening Statement of Senator Carl Levin before the U.S. Senate Permanent Subcommittee on Investigations, S. Hrg. 112-__, (1/26/2012).

The London Metal Exchange ("LME") is the largest and most influential copper futures exchange. "As a result of daily trading [of copper futures contracts on the LME], prices are 'discovered' and published by the LME."[12] The LME's prices are then used by producers and commercial end-users around world as the basis for the contract price for the physical purchase or sale of copper.[13] In addition to the base price, copper has an added "locational premium," the amount of which is based upon the supply and demand for copper and the storage and transportation expenses applicable to the location from which it is supplied.[14]

The LME is the main source of information about the physical demand for and supply and price of copper, because it has traditionally been a "market of last resort" for producers to sell excess stock and consumers to fill short-term needs for copper beyond the amount for which they have contracted.[15] Copper is sold on the LME through "warrants," or "bearer document[s] evidencing the right of the holder to possession of a specified lot of metal at a specified LME warehouse location."[16] Copper sold on the LME must be Grade A and of an "Acceptable Delivery Brand," a brand registered with the LME.[17]

B. S-1 Fails to Detail Trust's Impact on Copper Supply

There is ample evidence to suggest that if the JPMXF registration statement is declared effective and its shares are traded, it will disrupt the global supply of copper, which will affect copper prices.

The S-1 registration statement is incomplete, because it focuses on and provides information about the total size of the copper market, but ignores the much smaller amount of copper that is registered with exchanges. Since the prices for the broader market are largely determined by the prices on the exchanges, any reasonable analysis of the impact of JPMXF on market supplies and prices should also provide information related to the exchanges.

For example, although the Trust's registration statement states that, in 2008, there was an estimated 2.47 million metric tons of copper stocks in the global copper market, the registration statement and its related filings do not disclose that most of this copper was already allocated for delivery through long-term arrangements, and only 390,000 metric tons was registered with exchanges.[18] The copper registered with exchanges is part of the small percentage of global refined copper stocks that are "liquid stocks" available for immediate delivery.[19] For example, in 2011, while total global copper stocks were 3.515 million metric tons, liquid stocks available for immediate delivery totaled only 808,000 metric tons.[20] The JPMXF registration statement does not adequately disclose information about the limited supply of liquid copper stocks actually available for immediate delivery.

---

[12] Registration Statement, at p. 43.
[13] Id.
[14] SEC Notice of Filing of Proposed Rule Change to List and Trade Shares of the JPM XF Physical Copper Trust; Release No. 34-66816; File No. SR-NYSEArca-2012-28, April 16,2012, at p. 13 (hereinafter "SEC Notice"); available at http://www.sec.gov/rules/sro/nysearca20 I 2134-668 I 6.pdf. , at p. 25.
[15] Registration Statement, at p. 44.
[16] Id., at p. 44.
[17] Id., at p. 45.
[18] Id., at p. 20-21.

Moreover, of those "liquid stocks," only a small percentage of physical copper is truly available for purchase by third parties, including for placement in an ETF inventory. When one removes from the calculation of "liquid stocks" extra copper held by consumers and producers, stocks that are waiting to pass through customs into importing countries, and stocks on the Shanghai Futures Exchange which are unavailable outside of China, it appears that most of the remaining copper stocks available for immediate delivery must be purchased through the LME or the Commodity Exchange, Inc. ("COMEX"), the second largest metals exchange.[21] Because the ETF represents an even greater portion of the liquid stocks available for purchase by third parties, its impact on copper supplies and prices will be greater than indicated in the S-1. The JPMXF registration statement does not adequately disclose material information about the limited supply of liquid copper stocks actually available, not only for immediate delivery, but also for purchase and placement in an ETF.

Additionally, the S-1 filing has stated that it will accept and hold only Grade A copper of an "Acceptable Delivery Brand," exactly the type of copper available on the LME and COMEX.[22] Thus, even though the Trust states that it will accept copper supplies outside of those held through LME warrants,[23] the Trust's restrictions on the type of copper that it will accept makes it extremely likely that its copper will be acquired from LME or COMEX warehouses. Otherwise, copper supplies offered for delivery to the Trust would have to undergo expensive testing to establish their acceptability.

In August 2011, the LME reported it possessed approximately 464,000 metric tons of copper stocks, while the COMEX had about 81,000 short tons (or about 73,500 metric tons), producing a combined total of approximately 537,500 metric tons of copper stocks.[24] As discussed above, copper supply is relatively inelastic, so even with advance warning about an increase in the demand for copper, supply on the two exchanges is unlikely to significantly increase. According to the JPMXF's registration statement, it will seek to acquire 61,800 metric tons of copper to back its initial shares.[25] That amount represents over 11% of the total supply through the LME and COMEX exchanges. In addition, on February 25, 2013, the SEC approved an NYSE ARCA rule to list another copper trust, iShares® Copper Trust, sponsored by BlackRock Asset Management International, Inc., which would also significantly increase the demand for physical copper.[26] BlackRock's copper ETF has indicated that it would seek to acquire 121,200 metric tons of copper to support its initial shares.[27] Together, these two ETFs would seek to hold approximately 183,000 metric tons, or 34% of all liquid stocks of copper.[28]

---

[19] *Report on Refined Copper Inventories on the Global Market*, Table 3: "Refined Copper Balance Detail," Bloomsbury Minerals Economics Ltd., (10/12/ 2011) (hereinafter "BME Report"). Bloomsbury Minerals Economics is a specialized consultancy engaged in base metals market and price analysis, focusing in particular on copper.

[20] BME report, Table 3.

[21] Id. The Commodity Exchange, Inc., or COMEX, is a division of the New York Mercantile Exchange.

[22] Registration Statement, at p. 16. Although it does not use the term "Grade A," the COMEX uses a similar term, "High Grade," to describe the copper available on the COMEX. See http://www.astm.org/Standards/B115.htm, http://www.fcx.com/metals/copper_cathodes.htm.

[23] Registration Statement, at p. 46.

[24] LME Stock Report, J.P.Morgan, 9:07 AM, (8/10/2011).

[25] Registration Statement, at p. 21.

The Commission – indeed, U.S. investors and the U.S. business community -- have never before contemplated commodity-backed ETFs which may gain "legal" control of such a disproportionate share of an industrial metals market. Such ETFs are not only likely to disrupt global supplies and increase prices, but also raise legal issues related to whether and how the ETF's copper inventories and business activities may trigger concerns involving price distortions, squeezes, corners, and other manipulations in the copper market. Such activities also raise questions about the SEC's and CFTC's abilities to police for these potential violations due to the lack of transparency in the physical copper markets.

C. S-1 Fails to Detail How JPMXF Would Affect Price

Actions taken by JPMXF to remove such a large percentage of the available copper stocks from commodity markets to sit untouched in one or more warehouses for an indeterminate amount of time undoubtedly will affect and increase the price of copper. If the supply of copper available for immediate delivery drops by about 34%, it naturally follows that the price of copper will rise. As the price of copper in the market rises, demand for shares of the JPMXF will likely increase as well, leading it to issue more Creation Units requiring the removal of even more copper from the market and further decreasing the liquid supply. If allowed to occur, this market activity is likely to create a boom and bust cycle, as speculators enter and leave the market.

The impact on copper supply and price will be strongest in the United States, because it is likely that Authorized Participants will acquire needed copper supplies from LME and COMEX warehouses located in the United States due to lower costs. Of the countries where the Trust has "initially permitted warehouse locations,"[29] the U.S. warehouses have the lowest locational premia and, thus, the lowest initial acquisition costs.

As of August 2011, about 252,000 metric tons of copper were located in LME warehouses in the United States, and about 73,500 metric tons in COMEX warehouses located in the United States, for a total of about 325,500 metric tons of U.S. copper stocks available on the two exchanges.[30] The JPMXF's purchase of an initial 61,800 metric tons alone would remove about 19% of the U.S. supply of copper available for immediate delivery. If BlackRock's 121,200 metric tons are included, the two ETFs would remove over 56% of available U.S. copper stocks from the market. The S-1 filing is silent, however, about the extent to which acquiring copper supplies from U.S. warehouses would restrict U.S. and world copper supplies and affect prices, and what steps the Trust might take, if any, in response to U.S. price volatility, supply disruptions, or price distortions.

---

[26] SEC Notice of Filing of Proposed Rule Change to List and Trade Shares of IShares Copper Trust; Release No. 34–67237; File No. SR–NYSEArca–2012–66, (6/22/2012).

[27] Jack Farchy, *JPMorgan copper ETF plan would 'wreck havoc,'* Financial Times, (5/24/2012).

[28] *See* BME report, Table 3; and Jack Farchy, *JPMorgan copper ETF plan would 'wreck havoc,'* Financial Times, (5/24/2012).

[29] SEC Notice, at p. 26.

[30] LME Stock Report, J.P.Morgan, 9:07 AM, (8/10/2011).

The S-1 generally recognizes that "the Trust, as it grows, may have an impact on supply and demand for copper that ultimately may affect the price of the shares in a manner unrelated to other factors affecting the global markets for copper."[31] Moreover, according to the JPMXF registration statement, "[p]urchasing activity in the copper market associated with the purchase of Creation Units from the Trust or selling activity following the redemption of Creation Units may affect the price of copper . . ."[32] While these general statements demonstrate that JPMorgan Chase is well aware of the impact that its copper ETF may have on copper supplies and prices, the S-1 fails to provide any specific information to investors about the next level of impacts.

For example, the S-1 fails to provide details regarding policies or actions the Trust or JPMorgan might take in response to copper price volatility which, in turn, would affect the value of the ETF investments. Because the S-1says it has "no formal procedures to resolve potential conflicts of interest," it indicates that either the Trust has no policy or it may have inadequate procedures to protect investors in the event that JPMorgan affiliates trade against the Trust.

In addition, the S-1 does not identify, discuss, or present actions that could be taken to address the legal issues that might arise if the ETF itself is seen as fostering price distortions, squeezes, corners, or other price manipulations in the copper market. Nor does the S-1 detail what policies and procedures JPMorgan would follow to ensure that its other trading and business interests are not impermissibly conflicted with those invested in JPMXF. For example JPMorgan controls a wholly owned subsidiary that warehouses copper and could create a short term squeeze by slowing release of copper from the warehouse. That warehouse subsidiary also control rates charged for storage and could drive copper prices up by driving up the embedded cost of storage.

As currently configured, the Trust contains no provisions to prevent high investor demand from causing an increase in copper prices or, alternatively, a quick drop in demand from driving down copper prices. The risk of a bubble in the copper market creates a corresponding risk that the bubble will eventually burst. If that happens, investors may dump thousands of metric tons of copper back onto the market, swamping the market and depressing the price, impacting not only copper-reliant industries around the world, but also possibly producing large gains for any parties shorting the copper market. Again, the S-1 fails to adequately disclose or discuss the extent of this risk and its impact on the value of JPMXF.

D. S-1 Fails to Detail JPMorgan's Expansive Role in Copper Markets

JPMorgan's public filings, as well as press reports about its commodities activities as described above, raise questions about the firm's concentration of economic power in the commodity markets, generally, and more specifically in the copper markets, the extent of which is not adequately disclosed in the S-1.

---

[31] Registration Statement, at p. 20.

[32] Registration Statement, at p. 28.

JPMorgan's public filings and public reports suggest that it controls and owns affiliate entities in nearly all aspects of the commodities business, providing it vertical integration in financing, transportation, storage, and trading for its customers and proprietary positions in the physical and financial markets. It is one of the largest derivatives dealers in the world and is a major trader in commodities markets.[33] Its affiliates appear to be active participants in virtually all aspects of the copper market, some of which also plan to provide services to JPMXF. The S-1's disclosures regarding the role of JPMorgan's affiliates with respect to JPMXF, the possible and actual conflicts of interest that may arise, and how investors may be affected are incomplete on their face.

According to JPMXF's most recent S-1 filing, JP Morgan affiliate entities will play an extensive role in supporting the operations of JPMXF, including administering the Trust, warehousing its copper inventory, acquiring initial and subsequent copper supplies to support the Trust, and marketing and selling the Trust shares. The S-1 filing states:

> "The Trust, the Sponsor, the Administrative Agent, the Warehouse-keeper and J.P. Morgan Securities LLC, the initial Authorized Participant, are all affiliates of JPMorgan Chase & Co. In addition, the Sponsor will appoint an affiliate of JPMorgan Chase & Co. to act as marketing agent for the Trust. It is currently expected that a JPMorgan Entity will purchase the Initial Creation Units of the Trust and continue to act as an Authorized Participant for the Trust after the issuance and sale of the Initial Creation Units and act as market-maker for the shares or act as a physical dealer of copper. JPMorgan Entities may also buy or sell shares, on their own behalf, as part of a hedge or on behalf of a client. In addition, certain JPMorgan Entities are currently active participants in the copper market and other commodities markets, including in the physical markets for commodities, the futures markets (on multiple commodity exchanges) and the OTC markets, including the trading of commodity swaps, options and other derivatives."[34]

The S-1 filing also discloses that "A **significant** portion of trading in the physical copper market is currently conducted by such JPMorgan Entities."[35] (Emphasis added.)

The S-1 does not go beyond this general disclosure, however, to provide investors with key information about the so-called "JPMorgan Entities," failing even to provide a comprehensive list of those entities and the services each may perform for JPMXF. While the S-1 filing discloses, for example, that the Trust Sponsor and Warehouse Agent are owned by JPMorgan's wholly-owned subsidiary, J.P. Morgan Ventures Energy Corporation, it does not disclose the extent to which J.P. Morgan Ventures Energy Corporation subsidiaries and affiliates appear to be active in copper markets.[36] Those subsidiaries and affiliates include J.P. Morgan

---

[33] See, e.g., "OCC's Quarterly Report on Bank Trading and Derivatives Activity Third Quarter 2012," Tables 1, 2, 5, Office of Comptroller of Currency, http://www.occ.gov/topics/capital-markets/financial-markets/trading/derivatives/dq312.pdf.

[34] Registration Statement, at p. 92.

[35] Registration Statement, at p. 93.

[36] JPMorgan Chase & Co., Form 10-K (2011), Exhibit 21.

China Commodities Corporation, J.P. Morgan Commodities Canada Corporation, J.P. Morgan Commodities Sarl, J.P. Morgan Metals & Concentrates LLC, J.P. Morgan Metals Group Limited, and J.P. Morgan Metals Limited.[37] None of them are mentioned in the S-1, and the roles which they may play in JPMXF are not disclosed.

The S-1 does provide more specific information about one JPMorgan affiliate, The Henry Bath Group, which has been appointed warehouse-keeper for the copper of JPMXF. The S-1 states: "The Henry Bath Group is a warehousing services provider specializing in the storage and shipping of exchange-traded metals and soft commodities around the world. The Henry Bath Group operates a global platform of exchange-approved storage warehouses for holding, making and taking delivery of physical commodity products."[38] "The Henry Bath Group has over 200 years of experience in storage and handling of metals traded on the LME (London Metals Exchange)."[39]

The S-1 filing also generally states: "Banks provide a variety of services to the copper market and its participants, thereby facilitating interactions between other parties. Services provided by the banking community include traditional banking products as well as mine financing (both secured and unsecured), physical copper purchases and sales, hedging and risk management and inventory management for industrial users and consumers."[40]

The S-1 filing does not, however, disclose any policies, procedures, or practices for pricing the services to be provided by JPMorgan affiliates and ensuring those services are provided in a reasonable way to benefit the Trust and its investors. The filing does not disclose, for example, whether JPMXF will allow JPMorgan affiliates to charge it the same price as each affiliate charges other JPMorgan affiliates, the lowest price charged by the affiliate to any third party client, the highest price charged to any client, or some other price, but is instead silent. The only related disclosure is that the firm "has not established formal procedures," but then fails to describe its informal or actual procedures, even though pricing of required services will be central to the profitability of the ETF. Recent history has shown that a financial institution's affiliates, when involved with administering a complex financial instrument sold to investors, can administer their duties in ways that advantage their parent corporation at the expense of investors.[41] Adequate information about which affiliates will be providing which services to JPMXF using what pricing and administration principles is essential to investors making informed decisions about the returns on a JPMXF investment.

Moreover, based on publicly available information beyond what is contained in the S-1, JP Morgan appears to be a major merchant in physical commodities and plays a dominant role in global commodity markets. JPMorgan filings and public reports suggest that it controls and owns affiliate entities in nearly all aspects of the commodities business, providing it vertical integration in financing, transportation, storage, and trading for its customers and proprietary positions in the physical and financial markets. Although the public information is limited about JPMorgan copper related entities, in 2008, the firm acquired the physical commodity trading assets of failing Bear Stearns. In 2010, JPMorgan bought the global commodities business of Royal Bank of Scotland. Both of these businesses were major players in the commodity markets. In 2012, JPMorgan reported to the Federal Reserve that its gross fair value of physical commodities inventory was $17.2 billion respectively.[42]

---

[37] Id.

[38] Registration Statement, at 3.

[39] Id. at 3.

[40] Id. at 34.

[41] See, e.g., "Wall Street and the Financial Crisis: Anatomy of a Financial Collapse," U.S. Senate Permanent Subcommittee on Investigation, S. Hrg. 112-675, Volume 5, (4/13/2011), at 687-703. That Subcommittee investigation found that a Goldman Sachs affiliate had acted as the Liquidation Agent for a financial instrument in which the investors held the long side, but another Goldman affiliate secretly held the short side. The Liquidation Agent then delayed selling certain assets that were losing value because, although the reduced value damaged the long investors, it benefited the short investment held by another Goldman affiliate. See also id., 703-718 (discussing how a Goldman affiliate handled default swap collateral purchased in connection with certain financial instruments).

In late 2011, JPMorgan bought a stake in the London Metals Exchange (LME) from MF Global and is now the exchange's largest shareholder.[43] According to the LME's website, "The London Metal Exchange is the world centre for industrial metals trading and price-risk management. More than 80% of global non-ferrous business is conducted here and the prices discovered on our three trading platforms are used as the global benchmark." The LME's prices "are used the world over by industrial and financial participants for referencing, hedging, physical settlement, contract negotiations, margining and portfolio evaluations .... The prices discovered on the LME are used the world over as the reference price for physical negotiations."[44]

Press reports also indicate that JPMorgan has been buying up copper since 2010, in anticipation of its ETF launch.[45] In April 2012, the firm reportedly held 30-40% of total copper positions on the LME.[46] This may already have artificially inflated the price of copper, which is up more than 15% since 2010.

Nevertheless, it is not clear whether JPMorgan intends to use its copper supplies to provide an inexpensive source or to buy copper ahead of JPMXF investors at a lower price, profiting when it resells the copper to the Trust at higher prices to the investors in JPMXF, an obvious conflict of interest which is unaddressed by the S-1.

The general disclosures in the S-1 filing about JPMorgan's broad, commodity activities also does not adequately address the firm's ability to remove from the market and store in its own warehouses for indeterminate periods of time vast quantities of this critically important metal, potentially distorting not only the copper trading and financial markets, but also JPMXF's expenses and financial viability. The S-1 does not sufficiently describe the firm's dominant position as a major dealer and market-maker in the physical and financial copper markets, nor

---

[42] JP Morgan, Form FR Y-9C, (12/31/2011), Schedule HC-D "Trading Assets and Liabilities," Item M.9.a.(2), and JP Morgan, FR Y-9C, (3/31/2012), Schedule HC-D "Trading Assets and Liabilities," Item M.9.a.(2). Form FR Y-9C is a quarterly report filed with the Federal Reserve Board by bank holding companies with total consolidated assets of $500 million or more. 12 U.S.C. § 1844; 12 C.F.R. § 225.5(b).

[43] Mark Scott & Michael J. De La Merced, *JPMorgan Said to Buy MF Global Stake in London Metal Exchange*, N. Y. TIMES, (11/23/2011).

[44] http://www.lme.com/pricing-and-data/pricing/

[45] Louise Armitstead & Rowena Mason, *JPMorgan as mystery trader that bought £1-bn-worth of copper on LME,* TELEGRAPH, (12/04/2010).

[46] *CESCO week: Glencore,JPMorgan hold dominant copper position as backflares – sources,* ETALBULLETIN.COM, (4/18/2012).

does it adequately disclose copper positions that may be held by JP Morgan, its affiliates, sponsored funds, and its customers. Because JP Morgan is so involved in every segment of the copper markets, its concentration in copper markets may be great and it may be in a position to exert improper influence over its price and take advantage of JPMXF investors. Greater disclosure is called for so an investor may weigh the true risk of the firm's ability to self deal through its affiliates.

E. S-1 Fails to Address Pervasive Conflicts of Interest

Issues related to how the Trust would handle copper acquisitions, price volatility, warehousing, service costs, and legal issues involving price manipulation, squeezes, corners, and price distortions are further complicated by pervasive real and potential conflicts of interest arising from the active involvement of JPMorgan and its affiliates in the copper market.

Although the S-1 discloses that JPMorgan and its related entities "may" have a conflict of interest between the bank's own interests and interests of the investors in the trust, the filing does not adequately describe the extent of such conflicts or acknowledge that those conflicts do, rather than "may," exist.[47] Because of the limited disclosure in the S-1, the nature and extent of JPMorgan's involvement in copper activities remains incomplete. The S-1 filing's description of JPMorgan's role in copper is at best an outline of its activities. The details of each JPMorgan entity's role in copper mining, mine financing, refining, transportation, storage, delivery, sales, marketing and trading activities, including the extent of its proprietary positions in the physical and financial markets, needs to be disclosed, because such information is material to investors so they may evaluate the likelihood of JPMorgan's incentive to trade against them.

The use of "may" is also inadequate if JPMorgan's conflicts already exist. The S-1 states: "[t]hese affiliations and trading activities may present a conflict between the interests of shareholders and the Trust, on the one hand, and the interests of JPMorgan Entities, on the other." Unless it is able to establish that the conflict does not exist at this time, the use of "may" is misleading.[48] There is ample evidence in the public domain that actual conflicts exist which require JPMXF to make greater disclosures. As noted above, in April 2012, the firm reportedly held 30-40% of total copper positions on the LME. If true, this position and any other copper positions held by the firm through its affiliates and sponsored funds must be disclosed in its registration statement. In addition, JPMorgan reported to the Federal Reserve its commodities inventory was over $17 billion in 2012. To the extent that inventory includes physical copper, investors are entitled to know this information to evaluate the magnitude of this actual conflict.

---

[47] Registration Statement, at p. 4, 92.

[48] A federal court has held, for example, that disclosing a potential adverse interest, when a known adverse interest already exists, can constitute a material misstatement to investors. See, e.g., SEC v. Czuczko, Case No. CV06-4792 (USDC CD Calif.), Order Granting Plaintiff's Unopposed Motion for Summary Judgment (Dec. 5, 2007) (finding defendant made a material misstatement to potential investors when he disclosed that officers, directors, employees and members of their families "may" trade in the stocks recommended on his website, without disclosing that he, his father, and business partner were trading in those stocks and had an interest in them). See also In re Arleen Hughes, Securities Exchange Act Rel. No. 4048 (Feb. 1948) (holding a broker-dealer, who is also a registered investment adviser, had to disclose the "nature and extent" of its adverse interest); In re Edward D. Jones & Co., L.P., Exchange Act Rel. No. 50910 (Dec. 22, 2004) (settled order), at 21 (disclosure inadequate for failing to disclose full nature and extent of the broker-dealer's conflict of interest).

If its copper holdings are located in warehouses under the control of its affiliates, those holdings must also be disclosed -- because JPMorgan would be in a position to delay deliveries and impact price.

In addition, in the S-1, JPMXF disclosed "A **significant** portion of trading in the physical copper market is currently conducted by such JPMorgan Entities." (Emphasis added.) That general disclosure is incomplete and inadequate, because it does not explain what is meant by "significant," does not detail which JPMorgan Entities engage in copper trading, and, in particular, does not specify the extent to which JPMorgan Entities hold long versus short positions in the physical, futures, swaps, and options copper markets.

Investors are entitled to information about the extent and nature of these trading activities and positions, so that investors may evaluate the extent of JPMorgan's incentives to trade against them, to favor higher or lower copper prices, increase price volatility, the issue additional Creation Units to remove more copper from the market, or redeem of existing Creation Units to release more copper into the market. Recent history is replete with instances of financial institutions using their affiliates to sell financial products to their clients, only to take an opposing position in one or more financial markets and trade against their clients.[49] Studies have also shown how commodity speculators can affect copper prices.[50] To ensure investors understand the conflicts of interest, in appearance and reality, that will affect how JPMorgan and its affiliates will trade with respect to JPMXF, the JPMXF registration statement must provide full disclosure of the trading activity and the long and short copper positions held by JPMorgan Entities, in particular those entities contemplating involvement in the operation of the ETF.

In addition, investors must understand the degree of JPMorgan's vertical integration in the copper markets. The physical commodities markets are opaque, and public information on holdings in each layer of the vertical chain is limited. At a minimum, the S-1 should disclose the extent to which JPMorgan Entities retain ownership, leasing, or collateral interests in copper mines, refining facilities, transportation facilities (such as railroad or trucking facilities dedicated to copper), supply contracts, and storage facilities. Each of those activities could have a direct impact on the ETF's costs and profitability – how much it will cost JPMXF to acquire copper supplies, refine copper into Grade A condition, transport it from the refinery to a warehouse, store it, and, if necessary, sell it.

---

[49] See, e.g., "Wall Street and the Financial Crisis: Anatomy of a Financial Collapse," U.S. Senate Permanent Subcommittee on Investigations, S. Hrg. 112-675, Volume 5, (4/13/2011), at 661-662. Among other examples, the Subcommittee investigation determined that, while Goldman Sachs was actively marketing Timberwolf securities to investors at inflated prices, its own trading desk was shorting the underlying Timberwolf assets. Not only were investors not informed of those aggressive shorts, but Goldman may have also benefitted from the decision to market Timberwolf at inflated values, because it may have allowed its trading desk to buy shorts at lower prices than would have been available had the Timberwolf securities been marked down to accurate prices.

[50] See "Speculative Influences on Commodity Futures Prices," (2010), by Christopher Gilbert, http://unctad.org/en/docs/osgdp20101_en.pdf, at p.8; "The Growing Financialisation of Commodity Markets : Divergences between Index Investors and Money Managers," Journal of Development Studies, Vol. 48 , Issue 6, (2012), Jörg Mayer (UNCTAD), at p.752-753.

In addition, by participating directly in virtually every aspect of the physical copper market, JPMorgan and its affiliates will have an unfair informational advantage regarding the ETF's positions and could easily manipulate their services or trading to take advantage of JPMXF investors. To make an informed investment decision, investors need to understand the incentives applicable to JPMorgan Entities, and what policies, procedures, and practices will be used to counteract the apparent, pervasive conflicts of interest. Currently, the S-1's disclosures are wholly inadequate to enable investors to perform that conflict of interest analysis.

JPMXF acknowledges in the S-1 that although it "attempts to monitor these conflicts, it is extremely difficult, if not impossible, … to ensure that these conflicts do not, in fact, result in adverse consequences to the Trust."[51] Presumably, JPMXF describes monitoring the conflicts of interest as "extremely difficult," because of the lack of transparency regarding the activities of all the JPMorgan Entities involved in the copper business. If JPMXF finds it impossible to monitor conflicts, it creates an even greater need for disclosure of all known material facts that exist relating to JPMorgan's global reach and dominant position in commodities prior to its registration statement being declared effective.

F. S-1 Does Not Detail Indemnification of Affiliated Entities.

One shareholder right that has been severely curtailed in the JPMXF filing is the right to sue. Specifically, by providing essentially unlimited indemnification of all JPMorgan affiliates providing actual services to the Trust, the filing appears to attempt to cut off any right of action against those parties.[52] The indemnification requires the Trust to defend any and all of the "bank affiliated entities" with investor funds, with no limits on the expenditure amounts, even in the case of negligent performance. At the same time, the S-1 does not provide a complete list of the affiliated entities given such sweeping indemnification. The result is that investors are apparently limited to pursuing the sponsoring entity, a shell company, in the event of misperformance, yet even there, the S-1 fails to disclose the extent to which that shell company will be capitalized or insured to cover possible losses or damages.[53] At a minimum, investors should be fully informed of all of the bank affiliated entities that are being indemnified, receive notice that even affiliates providing negligent services are indemnified with investor funds, and obtain a clear explanation of the extent to which the Trust will acquire insurance to pay litigation costs, losses or damages in connection with investor lawsuits, without recourse to investor funds.

G. Additional Disclosures Needed in JPMXF S-1

The JPMXF S-1 filed on January 17, 2013 is incomplete on its face and should not be declared effective until it provides meaningful disclosures of at least the following matters which provide critical information for investors to make an informed evaluation of the JPMXF investment:

(1) the nature and extent of the role and business activities of JPMorgan and its affiliates in the physical copper market, including the role played by specified

---

[51] Registration Statement, at 92.
[52] Id. at 83.
[53] Id.

JPMorgan affiliates or entities in the mining, financing, refining, transport, storage, or trading of physical copper;

(2) the Grade A and non-Grade A physical copper inventories held by JPMorgan and its affiliates each month during the six-month period prior to JPMXF's launch, including whether those inventories were held under LME or COMEX warrants, whether they were held at warehouses under the control of JPMorgan or its affiliate, and how those copper inventories compared to total world copper inventories, liquid stocks available for immediate delivery, and liquid stocks available for immediate purchase;

(3) material trading positions held by or for JPMorgan and its affiliates in the futures, swaps, and options copper markets each month during the six-month period prior to JPMXF's launch, detailing long and short positions without netting;

(4) an enhanced discussion of the Trust's potential impact on the price and volatility of the copper market, including enhanced disclosures of the risks to investors arising from the Trust potentially constituting such a large portion of the exchange market;

(5) a description of JPMXF policies, procedures, and practices to identify and address conflicts of interests between JPMorgan and investors in JPMXF, including the determinations of whether to issue new interests in the Trust;

(6) a comprehensive list of each JPMorgan affiliate or entity expected to provide services to JPMXF, together with, for each such entity, the services to be provided;

(7) a description of JPMXF policies, procedures, and practices to determine how services provided by a JPMorgan affiliate or entity will be priced, and whether those services are being provided in ways that disadvantage JPMXF investors;

(8) a comprehensive list of each JPMorgan affiliate or entity that will be indemnified by the Trust in connection with providing services to the Trust; and

(9) the extent to which the Trust will obtain insurance to respond to investor lawsuits and pay any losses or damages, without using investor funds.

Thank you for the opportunity to provide comments on the JPMXF filing to increase investor safeguards.

Sincerely,

Carl Levin

Carl Levin
Chairman
Permanent Subcommittee on Investigations

ALUMINUM USERS GROUP September 9, 2013

Via email (matthew.chamberlain@lme.com).
Matthew Chamberlin
Head of Strategy and Implementation
London Metal Exchange
56 Leadenhall Street
London, EC3A 2DX, UK

RE: 13/208:A201:W076

Dear Mr. Chamberlin:

Attached is a submission by the Aluminium Users Group (AUG) regarding the 1 July 2013 LME proposal for a linked load-in, load-out mechanism for LME Licensed Facilities.

As the rules of the Exchange and the practices of the LME Licensed Facilities, especially those affecting the ready supply of metal, have a significant impact on all aluminium users, AUG has long advocated for reform of warehouse rules and greater transparency in LME operations and practices. As we understand it, in an effort to alleviate the queues, the LME proposes to measure all of the metal loaded into each Licensed Facility over a three-month period, and to require facilities with queues longer than 100 calendar days to deliver out additional metal based on a formula established by the LME.

By its July 1 announcement, the LME invited all interested parties to submit comments on the proposal on or before 30 September 2013. The attached document reflects the AUG's comments, concerns, questions and recommendations. Because the proposal, if adopted in its current form, may have a significant impact on aluminium users, we request a meeting to discuss the proposal and our concerns in greater depth. For ease of scheduling, please use the following people as points of contact:

Mary Jane Saunders
Vice President & General Counsel
Beer Institute
122 C Street, NW, Suite 350
Washington, DC 20001
Email: mjsaunders@BeerInstitute.org
Tel: +1 (0) (202) 737-2337

Amy Hancock
Deputy General Counsel
American Beverage Association
1101 Sixteenth Street, NW
Washington, DC 20036
Email: ahancock@ameribev.org
Tel: +1 (0) (202) 463-6786

Thank you for your consideration and we look forward to a constructive dialogue on this matter.

Respectfully submitted,

Aluminium Users Group

cc: Martin Abbott
Charles Li
Garry Jones

Linked load-in, load-out

AUG previously expressed concern that policies and procedures developed and followed by the LME and actions and activities of common members of the LME and owners of LME Licensed Facilities adversely affect the ready supply and pricing of non-ferrous metals. We believe that the current system is dysfunctional and prone to manipulation. We also believe that left uncorrected, the deficiencies in the current system could cause long-term harm to the entire aluminum market. We want more transparent and efficient physical delivery settlement with an end to the lengthy queues. We want the Exchange to adopt operational practices that are consistent with the operational practices of other commodity exchanges, and we want the Exchange to act in a timely manner. A system that meets these goals will lead to renewed aluminum user confidence in the Exchange. A system that does not meet these goals will only lead to more dysfunction, more manipulation, and more harm.

AUG applauds the LME for trying to address the lengthy queues with the proposed linked load-in, load-out mechanism, but the proposal falls short in terms of providing an efficient function for physical delivery settlement for the following reasons:

- The proposal suggests that it is reasonable for an aluminum user to wait for metal in a queue lasting at least 100 days. The framework of regulations within a commodity exchange should facilitate physical delivery within the period relevant to the original derivative position, not an arbitrary period that may artificially delay delivery and increase user cost.
- A rule allowing a warehouse to hold metal in a queue as long as 100 days adds no measurable value to the aluminum or supply chain. The LME should not sanction queues of this sort especially since they essentially lead to a price floor in the premium for physical delivery of metal.
- In its current form, the proposal could lead to refusal of new metal at warehouses or a shift of metal to non-LME Licensed Facilities while not actually alleviating the queues for metal remaining in the warehouses. This would not facilitate more efficient physical delivery settlement, and would decrease rather than increase transparency in warehouse operations. Increases in warehouse capacity have been rapid and seemingly unconstrained at certain locations since 2009, and the LME should take

steps to ensure that the proposal does not become a vehicle for further manipulation in this manner.

- The proposal does not address the problem of warehouse locations treating the minimum daily load out requirement as a combined requirement for all warehouse/shed locations at a single LME approved geographic location. The LME should clarify that the minimum load-out requirement and linked load-in, load-out rules, if adopted, apply to each individual warehouse/shed at a single geographic location.
- The proposal does not address the issue of re-tendering of warrants for metal resting in the queue. If the LME does not require an accounting of this metal as part of the load-in, load-out mechanism, metal could effectively stay in the LME loop forever and never leave the warehouse. The LME should clarify that metal that is retendered will be counted as tonnage delivered into the Licensed Facility.

Recommendations

To facilitate more transparent and efficient physical delivery settlement, we urge the LME to implement the following rules for all Licensed Facilities:

- All shipments into or out of the Licensed Facility should be on a first-come, first-serve, non-discriminatory basis.
- No Licensed Facility should constrain or promote the movement of metal into or out of the Licensed Facility by:

    1. giving exceptional inducements or incentives for delivery of metal into a Licensed Facility;

    2. imposing unreasonable charges for depositing, storage or removal of metal into or out of the Licensed Facility;

3. taking or failing to take any action that affects a customer's ability to schedule the delivery or removal of metal from the Licensed Facility in a timely and efficient manner; or

4. treating the minimum daily load-out requirement as a combined requirement for all warehouses/sheds at a single geographic site. The LME should clarify that the requirement applies to each individual warehouse/shed at each LME approved location.

- In the event a Licensed Facility fails to permit the withdrawal of metal by a warrant holder within five (5) business days after the holder tenders the warrant to the Licensed Facility (properly endorsed and all storage charges paid), the LME should require the Licensed Facility to provide immediate notice, in writing, of the reason(s) for the delay. Upon receipt of such notification, the Exchange, at its discretion, may direct, in writing, the Licensed Facility not to accept any more metal for deposit until further notice.

- In the event that written shipping instructions for registered metal are received by the Licensed Facility by the 20th day of the month, all registered metal must be released for shipment no later than the close of business on the last day of that month, provided, however, that the warrant holder pays all storage charges and presents the Licensed Facility with all documents necessary to establish good title.

- If a Licensed Facility fails to release any registered metal as provided above, and assuming that the warrant holder or the warrant holder's agent is not the cause of the delay, the LME should prohibit the Licensed Facility from charging the warrant holder additional storage charges with respect to the metal. We recognize that LME has previously said it cannot impose specific rental rate limits on Licensed Facilities. The aforementioned proposal addresses that concern in that it is time-based limit within the contract, not a limit on the rental rate. This approach is also consistent with operational practices of other commodity exchanges.

- For repeated failure to permit the withdrawal of metal in a timely manner without good cause, the LME should terminate its relationship with a Licensed Facility.

Some may argue that given current stockpiles of metal at various Licensed Facilities, change should occur very slowly. Change is necessary and will only be meaningful if the implemented in a timely manner. We believe the following implementation schedule is reasonable:

- Allow warehouses a 3-month period (1 October to 31 December 2013) to eliminate current queues prior to implementation of the new rules. This is an ample period to load-out or re-warrant metal.
- Implement the new model effective from 1 January 2014.

To ensure that manipulation of the new model does not occur, we also believe that it is necessary to improve transparency at the Exchange through:

- More balanced representation of the key market participants (Users/Smelters/Traders/Warehousemen) on LME committees;
- Implementation of a Commitment of Traders report similar to the CFTC Commitment of Traders;
- More visible information on warehouse rules regarding
    - regularity and duration of audits;
    - structure and content of audits; and
    - statement on results of audit, including remedial actions, if any;
- Increased scrutiny of new capacity and monopolization of delivery locations;
- Enhanced firewalls between related parties that are both common members of the LME and owners of LME Licensed Facilities, stricter conflict of interest rules, and more regular review of the same; and
- A clearly defined process for dispute resolution, managed by an independent third party.

Finally, and although the purpose of this consultation process is not to assess regulation of the LME, we encourage the Exchange to support more coordinated regulatory oversight of its practices, including LME warehouse rules. While regulators in the United States, UK and EU are now examining warehouse rules and practices, the framework for regulator monitoring of physical delivery rules, new capacity approvals, and warehouse requirements varies in terms of functional jurisdiction and geographic scope. We encourage the LME to work towards a coordinated regulatory framework across countries and regions. This will help guard against manipulation of LME rules and ensure a fair and open marketplace for metal. We also believe that the LME should engage regulators in establishing and monitoring rules regarding firewalls between related parties (common members of the LME and owners of LME Licensed Facilities) due to the implications on conflict of interest and competition.

BARCLAYS

Barclays Capital Inc.

745 7th Avenue
New York, NY 10019
Tel (212) 412 6735

barclays.com

September 22, 2014

Via Email

Tyler E. Gellasch
Senior Counsel
Permanent Subcommittee on Investigations
U.S. Senate
199 Russell Senate Office Building
Washington, D.C. 20510
(202) 224-9872

Re: Document and information requested from Barclays Bank PLC

Dear Mr. Gellasch,

I write on behalf of Barclays Bank PLC ("Barclays") in response to your e-mail request dated September 15, 2014.

Per your request, enclosed, bearing production numbers BARCLAYS-PSI-000001-0000005, please find a copy of Barclays Base Metals Warehousing Principles.

In addition, you requested that Barclays provide details about certain warrant cancellations in Detroit, including whether the cancellation was part of a financing deal, who the customer was, and what happened to the metal following cancellation. By email of August 29, 2014 you identified the following warrant cancellations:

- February 11, 2011—50,050 tonnes
- February 14, 2011—49,950 tonnes

- February 2, 2012—50,000 tonnes
- February 3, 2012—50,000 tonnes

- November 9, 2012—25,000 tonnes
- November 9, 2012—11,975 tonnes

- December 24, 2012—80,075 tonnes

Based on the information you provided regarding warrant cancellations in Detroit, we searched our records and located the following warrant cancellations.

- February 10, 2011—49,778.379mt (2002 lots)
- February 11, 2011—49,762.601mt (1998 lots)

- February 1, 2012—49,859.100mt (2000 lots)
- February 2, 2012—49,923.766mt (2000 lots)

- November 9, 2012—26,493.732mt (1062lots)

- December 24, 2012—80,292.122mt (3,203lots)

While the transaction dates and quantities are slightly different, we think these are the same cancellations you identified and have not located anything that suggests there were other cancellations that better fit the criteria you set forth. The date differences are potentially due the time it takes various entities involved in the cancellation to process the information. Note also that we did not locate a cancellation instruction that corresponded to the November 9, 2012 cancellation of 11,975 tonnes you identified. As best we can determine, this cancellation may have been a portion of other cancellations instructed on November 7th, 8th and 9th of 2012.

Barclays was instructed to initiate each of the cancellations identified above by its client.

Redacted By The Permanent Subcommittee on Investigations

You also asked what happened to the metal following warrant cancellation. With the exception of the December 2012 cancellation, which is discussed below, each of the above cancellations was subsequently re-warranted at the instruction of Red Kite. The re-warranted metal would be taken out of the queue. The dates that each of the above-referenced cancellations was re-warranted are as follows:

- Lots for which warrants were cancelled on February 10, 2011(49,778.379mt (2002 lots)) were re-warranted on December 12, 2011.
- Lots for which warrants were cancelled on February 11, 2011(49,762.601mt (1998 lots)) were re-warranted on December 12, 2011.

- Lots for which warrants were cancelled on February 1, 2012 (49,859.100mt (2000 lots)) were re-warranted in portions from September 13-21, 2012.[2]
- Lots for which warrants were cancelled on February 2, 2012 (49,923.766mt (2000 lots) were re-warranted November 19, 2012).

---

[1] This is also true for the cancellations on November 7th, 8th and 9th that may encompass the November 9th cancellation of 11,975 tonnes we did not separately identify.

[2] 1000lots (24,926.232mt) re-warranted 09/13/12
569 lots (14,180.895mt) re-warranted 09/17/12
153 lots (3,820.261mt) re-warranted 09/18/12
100lots (2,486.518mt) re-warranted 09/19/12
100 lots (2,494.474mt) re-warranted 09/20/12
78 lots (1,950.720mt) re-warranted 09/21/12

▬ = Redacted by the Permanent Subcommittee on Investigations

- Lots for which warrants were cancelled on November 9, 2012 (26,493.732mt (1062lots)) were re-warranted as of either December 18, 2012 or November 28th 2013.[3]

Regarding the lots that were the subject of the December 2012 warrant cancellation, on December 13, 2013 Red Kite instructed Barclays that it wished to buy back this metal and that the metal should be transferred to [redacted]. The transfer was processed on December 16, 2013. Once the transfer was complete, Barclays would not receive further information about the metal.

Finally, you have asked Barclays to provide some "color" on whether a cancellation of warrants for 50,000 tonnes of aluminum was common for Barclays or the markets. Based on information available on Bloomberg (function: NLFAH %DETR <INDEX>), it appears that between January 2011 and December 2013 total warrant cancellations in Detroit exceeded 40,000 tonnes on 25 days. Total warrant cancellations exceeded 50,000 tonnes on 13 of those days, 9 days of which exceeded 80,000 tonnes. For additional color, warrant cancellations exceeded 25,000 tonnes on an additional 25 days. These numbers are based on the net of material loaded out (leaves the warehouse so no longer in the cancelled stock figure) and material loaded in (new cancellations) and therefore may understate the actual cancellation amounts.

Production of this information and the enclosed document is not intended to constitute a waiver of the attorney-client, attorney work product, or any other applicable rights or privileges, in this or any other forum, and Barclays expressly reserves its rights in this regard. The information and document we are producing today contains confidential and proprietary related to Barclays' clients and information that was created solely for internal use at Barclays. The document has been marked as confidential and we hereby request that the Subcommittee staff treat the document and information contained herein accordingly. Additionally, we respectfully request that the Subcommittee staff provide us with notice and an opportunity to be heard before the Subcommittee discloses any information from this response to third parties.

Very truly yours,

Timothy B. Meyer

Barclays Legal

Enclosure

---

[3] For Barclays' internal recordkeeping, the financing of these 1062 lots was combined with other Red Kite lots on November 30, 2012. All of the lots that were combined on November 30, 2012 were re-warranted on December 18, 2012 or November 28, 2013 but it is not possible to tell on which of the two dates the 1062 lots were re-warranted. In addition, the lots re-warranted on these two dates also include the lots that were cancelled on November 7, 8, and 9th that may include the November 9th cancellation of 11,975 tonnes you identified.

INTERNAL
CIRCULATION ONLY

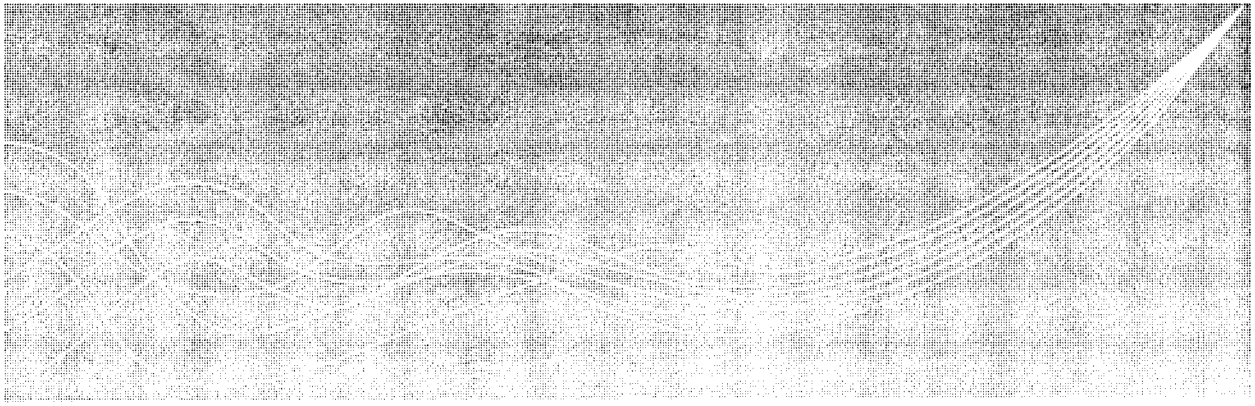
Base Metals Warehousing Principles

Markets: Commodities

V7 Signed off 10 December 2013

BARCLAYS

CONFIDENTIAL



Global & Regional Investment Bank League Tables – FY2013

March 2014

COALITION

ANALYTICS | INTELLIGENCE

All information is strictly for internal use only and not to be reproduced without explicit consent from Coalition

Coalition Global Investment Bank League Table

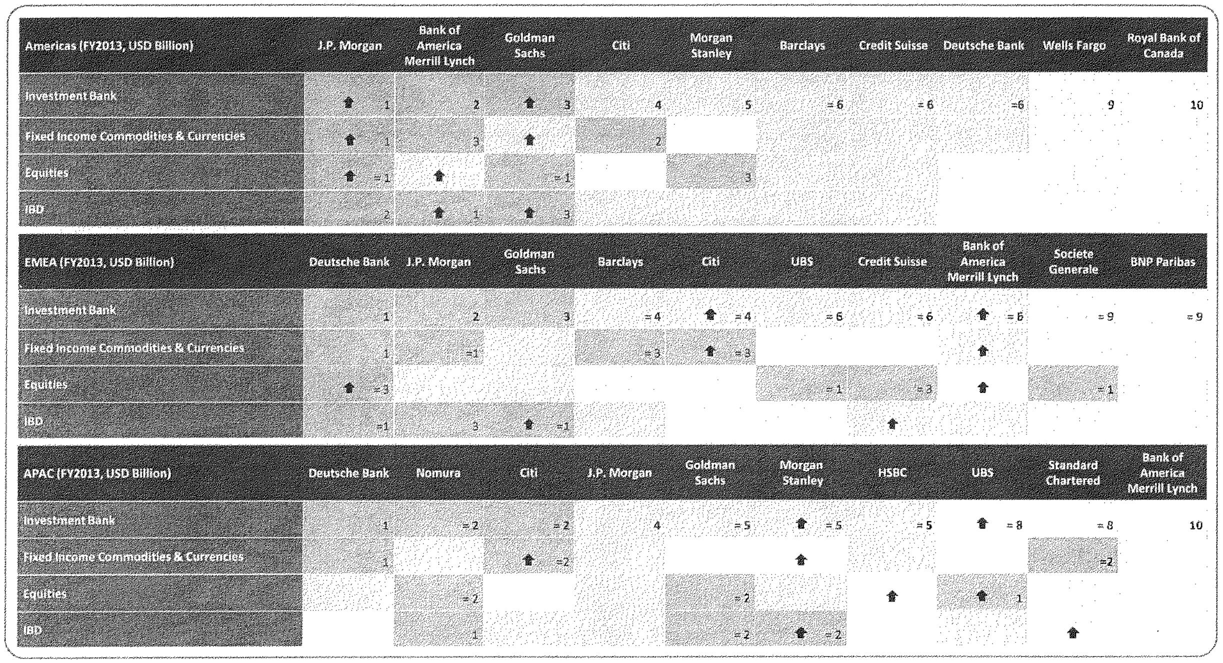
Global (FY2013, USD Billion)	J.P. Morgan	Goldman Sachs	Bank of America Merrill Lynch	Deutsche Bank	Citi	Morgan Stanley	Barclays	Credit Suisse	UBS	BNP Paribas
Investment Bank	23.3 bn 1	= 2	⬆ = 2	= 2	⬆ = 2	= 6	= 6	8	9	10
Fixed Income Commodities & Currencies	12.5 bn ⬆ 1	░	░	3	⬆ 2		░			
G10 Rates	1	░		3	░	░	2			
G10 Credit	= 2	= 2	1	░	= 2			░		
G10 Foreign Exchange	= 1		░	= 1	= 1		░		░	
Securitization	1	= 2	= 2	░	░			░		
Emerging Markets	3	░	░	2	1		░	░		
Commodities	1	2		░		3	░			░
Municipal Finance	3	░	2		1	░	░	n/a	n/a	
Equities	5.1 bn = 1	= 1	░	░		= 1		░	░ ⬆	⬆
Cash Equities	░	= 2	░			1		= 2	░	
Equity Derivatives & Convertibles	2	3	░	░				░	1	░
Prime Services	2	=3	░	=3		1		░		
Futures & Options	2	1		░			░	░	3	
IBD	5.7 bn = 1	⬆ 3	⬆ = 1	░	░	░				
Mergers & Acquisitions	3	1	░		░	2	░			
Equity Capital Markets	= 1	= 1	3	░	░	░				
Debt Capital Markets	= 1	░	= 1	3	░		░	░		

Two Strongest Performers FY13 vs. FY12 ⬆
Coalition's League Table applies the following tiering convention: ▩ *Rank 1-3* ░ *Rank 4-6* *Rank 7-10*
When more than one bank is included within an equal rank, all banks' performances are within 5% of the largest bank in that rank.
Where banks are ranked equally, they are ordered on the League Table according to the number of 1-3 rank positions at the Business Level (e.g. Cash Equities, Securitisation)

CONFIDENTIAL – COALITION
All information is strictly for internal use only and not to be reproduced without explicit consent from Coalition

COALITION

Coalition Regional Investment Bank League Tables



Americas (FY2013, USD Billion)	J.P. Morgan	Bank of America Merrill Lynch	Goldman Sachs	Citi	Morgan Stanley	Barclays	Credit Suisse	Deutsche Bank	Wells Fargo	Royal Bank of Canada
Investment Bank	⬆ 1	2	⬆ 3	4	5	=6	=6	=6	9	10
Fixed Income Commodities & Currencies	⬆ 1	3	⬆	2						
Equities	⬆ =1	⬆	=1		3					
IBD	2	⬆ 1	⬆ 3							

EMEA (FY2013, USD Billion)	Deutsche Bank	J.P. Morgan	Goldman Sachs	Barclays	Citi	UBS	Credit Suisse	Bank of America Merrill Lynch	Societe Generale	BNP Paribas
Investment Bank	1	2	3	=4	⬆ =4	=6	=6	⬆ =6	=9	=9
Fixed Income Commodities & Currencies	1	=1		=3	⬆ =3			⬆		
Equities	⬆ =3					=1	=3	⬆	=1	
IBD	=1	3	⬆ =1				⬆			

APAC (FY2013, USD Billion)	Deutsche Bank	Nomura	Citi	J.P. Morgan	Goldman Sachs	Morgan Stanley	HSBC	UBS	Standard Chartered	Bank of America Merrill Lynch
Investment Bank	1	=2	=2	4	=5	⬆ =5	=5	⬆ =8	=8	10
Fixed Income Commodities & Currencies	1		⬆ =2			⬆			=2	
Equities		=2			=2		⬆	⬆ 1		
IBD		1			=2	⬆ =2			⬆	

Two Strongest Performers FY13 vs. FY12 ⬆
Coalition's Regional League Table analysis includes Leading Regional Top 10 Investment Banks at Investment Bank level and applies the following tiering convention: ▨ *Rank 1-3* ░ *Rank 4-6* *Rank 7-10*
When more than one bank is included within an equal rank, all banks' performances are within 5% of the largest bank in that rank.
Where banks are ranked equally, they are ordered on the League Table according to the number of 1-3 rank positions at the Divisional Level (e.g. Equities)

Definitions, Methodology and Taxonomy

Coalition League Tables Definitions:

- The Global League Table tracks the performance of the Top 10 Investment Banks globally
- The Regional League Tables track the performance of the Top 10 Investment Banks in each region

Methodology:

- Performance is benchmarked against Coalition's Standard Product Taxonomy
- Adjustments are made to publicly reported performance. Examples:
  - Exclusions: write-downs, ring-fenced Proprietary Trading, Principal Investments/Private Equities and products that are reported in non-Investment Bank divisions (even if they appear in the Standard Product Taxonomy)
  - Accounting adjustments: brokerage costs and gains/losses on own debt
  - Business structure adjustments: removal of non-Investment Bank businesses (e.g. Retail Foreign Exchange, Corporate Lending)
  - NB: where reported within the Investment Bank, revenues from legacy portfolios and the relevant portion of internal joint ventures, are included in the respective products (e.g. Securitization, Foreign Exchange)
- Regional competitor revenues and revenue ranks are based on the product view, i.e. location of the underlying product

Sources:

- Public domain information including financial disclosures, investor presentations, and media articles, etc.
- Independent research
- Ongoing validation by an extensive network of market participants

Coalition Standard Product Taxonomy	
Investment Bank	
Fixed Income, Currencies & Commodities	
G10 Rates	Government Bonds; Swaps; Vanilla Options; Short Term Interest Rates/Money Markets; Repurchase Agreements; Exotic & Structured
G10 Foreign Exchange	Spots; Forwards; Options
G10 Credit	Investment Grade Loan Trading; High Yield and Distressed; Exotic & Structured
Securitization	Primary & Secondary, incl. Asset backed Securities; Commercial Mortgage Securities; Residential Mortgage Backed Securities
Emerging Markets	Credit; Rates; Foreign Exchange
Commodities	Power & Gas; Oil; Metals; Coal; Agriculture; etc.
Municipal Finance	Primary; Secondary
Equities	
Cash Equities	Direct Market Access; Program Trading & Block Trades
Equity Derivatives & Convertibles	Convertibles (Secondary); Flow Derivatives; Corporate Derivatives; Fund Linked Products; Retail Structured Products; Exotic & Other
Prime Services	Synthetic Financing/Delta 1; Equities Prime Brokerage; Fixed Income & Foreign Exchange Prime Brokerage
Futures & Options	Equities; Fixed Income
IBD	
Mergers & Acquisition	
Equity Capital Markets	Initial Public Offerings; Convertibles (Primary) etc.
Debt Capital Markets	Bonds; Loans

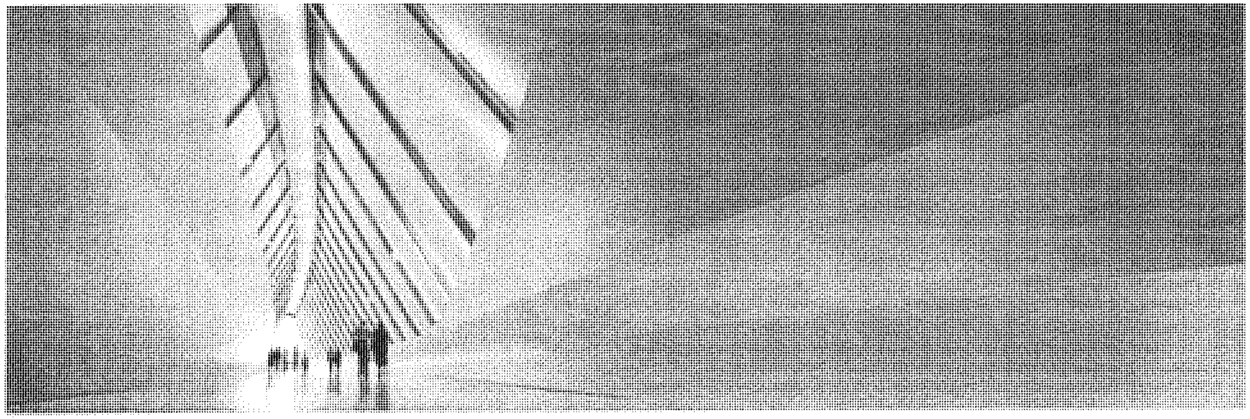
All information is strictly for internal use only and not to be reproduced without explicit consent from Coalition

Disclaimer

- This report contains analysis of commercial data relating to revenues, productivity and headcount of financial services organisations (together with any other commercial information set out in the report). It is disseminated in the UK by Coalition Development Limited of 1st Floor, 1 Newhams Row, London SE1 3UZ (**"Coalition"**).
- The report (**"Report"**) deals only with the areas and issues specified in the Report. It does not purport to deal with any other areas or issues. It is not (and does not purport to be) a comprehensive report on the financial state of any business or company. It is not (and does not purport to be) a credit assessment and should not form the basis of any lending or credit decision.
- The report is compiled from sources Coalition believes to be reliable. Neither Coalition, nor its directors, shareholders, managers, members, employees or agents, make any representation or warranty, expressed or implied, as to the accuracy, reasonableness or completeness of the information contained in this Report. The Report does not constitute (or purport to constitute) an accurate representation of past or future activities of the businesses or companies considered in it but rather is designed to highlight trends. It represents the views of Coalition as at the date of the Report but Coalition has no obligation to update or change it in the light of new information or changed circumstances.
- The Report may include statements, estimates and projections with respect to the anticipated future performance of certain companies and as to the market for those companies' products and services. No representation is made as to the accuracy of such statements, assessments, estimates and projections. Coalition disclaims all warranties, expressed or implied, with respect to this Report, including any warranties of merchantability or fitness for a particular purpose arising out of the use of all or any of this Report. Coalition accepts no liability whatsoever for any direct, indirect or consequential loss or damage of any kind arising out of the use of all or any of this Report.
- The Report contains commercial information only. It is not investment advice and has not been prepared with a view to any party making any investment decision based on it. No part of the Report should be considered to be advice as to the merits of any investment decision or any recommendation as to any investment action or decision. It is not investment analysis or research and is not subject to regulatory or legal obligations on the production of, or content of, investment analysis or research. This Report does not constitute nor form part of an offer or invitation to subscribe for, underwrite or purchase securities in any company. Nor should this Report, or any part of it, form the basis to be relied upon in any way in connection with any contract relating to any securities.

Copyright

- All content included on this document, including but not limited to, text, graphics and images, is, unless otherwise noted, copyrighted under United Kingdom law and protected by worldwide copyright laws and treaty provisions. The compilation (meaning the collection, arrangement and assembly) of all content on this report is the exclusive property of Coalition. No use, including the reproduction, modification, distribution, transmission, republication, display or performance, of the content of this report is permitted without Coalition's written permission and provided that the source is mentioned and acknowledged.



London

1st Floor
1 Newhams Row
London SE13UZ

T +44 (0) 20 7234 0312
london@coalition.com

New York

99 Madison Avenue
17th Floor
New York
NY 10016

T +1 212 297 5798
nyc@coalition.com

Singapore

41A Amoy Street
Singapore 069867

T +65 9071 7670
singapore@coalition.com

Mumbai

Unit 2, Bldg 5, 5th Floor
SEZ Mindspace, Airoli
Navi Mumbai 400708

T +91 (0) 22 3911 6464
india@coalition.com

www.coalition.com

COALITION
ANALYTICS | INTELLIGENCE

Confidential Treatment Requested

SULLIVAN & CROMWELL LLP

TELEPHONE: 1-212-558-4000
FACSIMILE: 1-212-558-3588
WWW.SULLCROM.COM

125 Broad Street
New York, NY 10004-2498

LOS ANGELES • PALO ALTO • WASHINGTON, D.C.
FRANKFURT • LONDON • PARIS
BEIJING • HONG KONG • TOKYO
MELBOURNE • SYDNEY

September 16, 2005

DIVISION OF BANKING
SUPERVISION & REGULATION
2005 SEP 20 PM 1:50
RECEIVED
CLEARING UNIT

Ms. Betsy Cross,
Associate Director,
Division of Banking Supervision and Regulation,
Board of Governors of the Federal Reserve System,
20th Street & Constitution Avenue, N.W.,
Washington, D.C. 20551.

Re: Notice Pursuant to Section 4(k)(1)(B) of the Bank Holding Company Act and Section 225.89 of Regulation Y

Dear Ms. Cross:

On July 21, 2005, JP Morgan Chase & Co., New York, New York ("*JPM Chase*") submitted a Notice to the Board of Governors of the Federal Reserve System (the "*Board*") pursuant to Section 4(k)(1)(B) of the Bank Holding Company Act of 1956, as amended, and Section 225.89 of Regulation Y (the "*Notice*"). Specifically, JPM Chase requested that the Board grant it authority to purchase and sell commodities in the spot market and to make and take physical delivery of, or store, commodities to settle commodities derivatives contracts based on nonfinancial assets (the "*Complementary Activities*") worldwide. In a letter dated September 12, 2005, you requested additional information in connection with JPM Chase's request.

JPM Chase respectfully submits the following responses to the questions raised in your September 12 letter:

1. **Provide a list of each of the following: (i) all commodity derivative and physical commodity authority given to JPMorgan Chase Bank, N.A., Columbus, Ohio ("JPMC Bank"), by the Office of the Comptroller of the Currency ("OCC") or to any of its predecessor banks by the New York State**

Banking Department; (ii) the commodities activities in which JPMC Bank currently engages; and (iii) the commodities activities in which JPM Chase and its nonbank subsidiaries currently engage (other than the activities of JPMorgan Ventures Energy Corporation ("JPMVEC") described in the notice).

(i) JPMC Bank and its predecessors have engaged in commodity derivative transactions since 1987, when the OCC approved the request of The Chase Manhattan Bank, N.A. to engage in perfectly matched commodity derivative transactions. Through the intervening years, JPMC Bank and its predecessors have requested and received approval to engage, as principal, in the following commodity activities:

- Perfectly matched, cash-settled derivative transactions on any commodity;
- Portfolio-hedged, cash-settled derivative transactions in energy (crude oils, refined oil products and natural gas), base metals, precious metals, and certain agricultural and soft commodities;
- Entering into and performing contracts involving taking title to and physical delivery of commodities in order to hedge exposure arising from otherwise permissible banking activities (energy, base metals and precious metals);
- Entering into repurchase agreements involving energy, base metal and precious metals, where JPMC Bank purchases the physical commodity on a spot basis from a customer and simultaneously enters into a forward contract to sell the commodity back to the customer;
- Entering into perfectly matched physical spot and forward contracts on energy and base metals;
- Entering into prepaid forward contracts involving energy, base metals and precious metals, where JPMC Bank agrees to purchase a commodity from its customer on agreed upon forward settlement dates, but pays a discounted purchase price in advance of the settlement dates. On each settlement date, the customer delivers the agreed upon amount of the commodity to JPMC Bank. JPMC

Confidential Treatment Requested

> Bank, in turn, delivers the commodity to a purchaser to which JPMC Bank had arranged to deliver the commodity (for commodities other than precious metals, the agreement to deliver the commodity to a third party purchaser must be contemporaneous with JPMC Bank's agreement to take delivery under the prepaid forward contract).

The approvals, which were received from the State of New York Banking Department, each contained similar requirements: all commodity-related transactions must be customer-driven and not a vehicle to speculate in commodity price movements; engaging in the approved commodity activities and those risks must be managed in accordance with controls and procedures outlined in said policies; JPMC Bank's role in transactions in which JPMC Bank takes delivery of physical commodities must be as a financial intermediary interposing its credit for that of its customer and the making and taking delivery of a physical commodity should be incidental to such financial intermediation.

In addition, JPMC Bank has received additional approvals from the OCC. Attached as Confidential Annex A is a copy of the September 13, 2005 letter from the OCC to JPMC Bank authorizing customer-driven, perfectly matched, cash settled derivative transactions on certain commodities and related indices, and a copy of the April 6, 2005 letter from the OCC to JMPC Bank authorizing JPMC Bank to engage in cash and physically-settled electricity derivative transactions.

(ii) JPMC Bank currently engages in financially-settled swaps, options, forwards and structured transactions involving the following commodities: oil and oil-based products, natural gas, base metals, precious metals, agricultural and soft commodities, and commodity indices.

(iii) JPM Chase and its nonbank subsidiaries (other than JPMVEC) currently do not engage as principal in any commodities activities. In the U.S., JP Morgan Futures is a registered futures commission merchant and, as such, provides futures execution and clearance on a variety of futures exchanges, including commodities futures exchanges.

2. **Confirm or modify, as appropriate, our understanding that the October 26, 2004 letter to the OCC that is included in the notice describes all of the commodities activities JPMC Bank has requested the OCC to authorize. Discuss the status of that request.**

   In its October 26, 2004 letter to the OCC, JPMC Bank requested the OCC to authorize JMPC Bank to conduct cash-settled, portfolio-hedged derivatives linked to power, coal, emissions and weather to the same extent as it currently engages in its other cash-settled, portfolio-hedged commodities derivatives activities. Since its initial letter to the OCC, JPMC Bank has elaborated on its proposal relating to coal-linked transactions. JPMC Bank now proposes to engage in customer-driven, cash-settled derivatives transactions that are hedged on a portfolio basis and that will settle either via a single cash payment or, in the case of forward and spot transactions, via a cash payment and instantaneous title transfer. In all cases, JPMC Bank will not take physical delivery of coal without contemporaneously transferring title. Attached as Confidential Annex B are copies of the additional submissions to the OCC further describing the coal-linked transactions.

   In addition, on May 19, 2005, JPMC Bank informed the OCC that it had withdrawn its request for authority to enter into weather-related derivatives. JPMC withdrew this request because it wanted to focus the approval process on the authorizations that were most critical to engage in its proposed activities in the near term. As the weather derivatives market develops and customer needs grow, JPMC Bank may resubmit its request.

   As noted above, the OCC authorized JPMC Bank to enter into customer-driven, perfectly-matched, cash settled derivatives transactions on certain commodities and related indices on September 13, 2005. At this time, JPMC Bank believes it has answered all of the OCC's questions regarding its other pending requests for authority and expects to receive a response to its emissions and coal requests imminently and its VPP request by the end of the year.

3. **Describe how JPMC Bank would ensure that its transactions with JPMVEC would comply with sections 23A and 23B of the Federal Reserve Act. In particular:**

a. Discuss how JPMC Bank would determine that the pricing of transactions with JPMVEC would be arms-length. In that regard, indicate whether the description that JPMC Bank provided to the OCC in the June 29, 2005 e-mail from Mark Lenczowski to Tena Alexander is still an accurate representation of the manner in which JPM Chase will approach the application of sections 23A and 23B to transactions between JPMC Bank and JPMVEC. Provide any updates that may have been developed to the bank's section 23A and 23B compliance plan with respect to JPMVEC.

Attached as Confidential Annex C is a description of how JPMC Bank will calculate the fees to be charged to JPMVEC for back-to-back transactions. The provisions in quotes are taken from the June 29, 2005 e-mail from Mark Lenczowski to Tena Alexander (the "June 29 email"). JPMC Bank confirms that the description provided in the June 29 email, as supplemented by the description in Confidential Annex C, is an accurate representation of the manner in which JPMC Bank will approach the application of Sections 23A and 23B of the Federal Reserve Act with respect to its transactions with JPMVEC. There have been no subsequent updates to JPMC Bank's Sections 23A and 23B compliance plan with respect to JPMVEC.

b. Indicate whether JPMC Bank would guarantee any obligations of JPMVEC. If so, describe how JPMC Bank would ensure such guarantees comply with sections 23A and 23B.

As stated in the Notice, on a counterparty by counterparty basis, JPM Chase (not JPMC Bank) may guarantee JPMVEC's obligations arising from JPMVEC's purchase and sale of commodities in the spot market and the making and taking of physical delivery, or storing, of commodities to settle commodities derivatives contracts based on nonfinancial assets. JPM Chase voluntarily will follow the same Sections 23A and 23B compliance plan with respect to any guarantees issued to JPMVEC. JPMC Bank will not guarantee any obligations of JPMVEC.

4. **Confirm or modify, as appropriate, our understanding that JPMVEC's principal role is to facilitate JPMC Bank's commodity derivatives business by engaging in transactions with JPMC Bank**

that would offset positions the bank takes as a result of its transactions with unaffiliated customers. If JPMVEC would be acting as principal in any transactions, describe the type of transactions in which JPMVEC would engage.

We wish to modify the Board's understanding that JPMVEC's principal role is to facilitate JPMC Bank's commodity derivatives business by engaging in transactions with JPMC Bank that would offset positions the bank takes as a result of its transactions with unaffiliated customers. In addition to, but separate from, this facilitation role, JPMVEC will engage in trading of commodity derivatives for its own account. In this context JPMVEC may decide to transact with JPMC Bank or with third parties. If JPMVEC decides to enter into a derivative transaction with a third party, it will be advantageous from a credit and operational standpoint if it does so using JMPC Bank as a credit intermediary.[1]

In both roles described above, hedge facilitator and market participant, JPMVEC will act as a principal. JPMVEC will engage as principal in cash-settled commodity derivative transactions, including swaps, options, and forwards, on all commodities, as permitted under 12 C.F.R. § 225.28(b)(8)(B)(2). JPMC Bank will be its counterparty with respect to those commodities listed in the OCC's September 13, 2005 letter, plus electricity. In addition, JPMVEC will engage as principal in physically-settled commodity derivative transactions that meet the criteria of 12 C.F.R. § 225.28(b)(8)(B)(1), (3), (4) and, upon receipt of approval from the Board, transactions that meet the conditions of such approval. Lastly, and again subject to the Board's approval, JPMVEC will engage as principal in the spot purchase and sale of commodities.

---

[1] See the letter from the OCC dated September 13, 2005 attached in Confidential Annex A for additional discussion of proposed transactions between JPMC Bank and JPMVEC. In addition, attached as Confidential Annex D is a document and an e-mail that we previously submitted that has more detail on both JPMVEC's role as a facilitator to JPMC Bank's transactions with its customers and its role as a commodity derivative market participant operating through a "prime brokerage" arrangement with JPMC Bank to facilitate JPMVEC's business purposes as such.

5. Commitments Provided in the Notice

JPMC Bank has indicated that it revises the commitments provided in the Notice as follows:

A. Limit amount of commodities held to 5 % of consolidated Tier 1 Capital.

JPM Chase commits to the Board that it will limit the amount of physical commodities that it holds at any one time to 5% of its consolidated Tier 1 Capital. JPM Chase will include in this five percent limit the market value of any physical commodities it holds as a result of a failure of its reasonable efforts to avoid taking delivery in commodities transactions conducted pursuant to Section 225.28(b)(8)(ii)(B) of Regulation Y. In addition, JPM Chase must notify the Federal Reserve Bank of New York if the market value of commodities JPM Chase holds under the approval exceeds four percent of its Tier 1 Capital. JPM Chase Tier 1 Capital as of December 31, 2004 is $69.435 billion. Five percent of that number would be $3.472 billion.

B. Assure proper risk management and controls.

JPM Chase commits to the Board that it will assure proper risk management and controls over the Complementary Activities.

C. Limit physical delivery or storage to commodities for which contracts have been authorized for trading on U.S. futures exchanges by the CFTC or other commodities that have been specifically authorized by the Board.

JPM Chase commits to the Board that it will make and take physical delivery of, or store, only commodities, such as natural gas, crude oil, and emissions allowances, that have been approved by the CFTC for trading on U.S. futures exchanges or other commodities that have been specifically authorized by the Board.

D. Will not own, invest in, or operate facilities in the United States for the extraction, transportation, storage or distribution of commodities.

JPM Chase commits to the Board that it will not own, invest in, or operate facilities in the United States for the extraction, transportation, storage or distribution of commodities. This is not intended to restrict JPM Chase's ability to acquire such facilities in satisfaction of debts previously contracted or in connection with a nonperforming loan or to invest in shares of companies or other entities that own or operate such facilities when such investment is otherwise permissible for a financial holding company. JPM Chase will not hold any such interest as a means to engage in the underlying commercial activity.

E. Will not process, refine, store or otherwise alter commodities in the United States.

JPM Chase will act solely as a financial intermediary in the physical commodities markets and will not use, process, refine, store or otherwise alter a physical commodity itself in the United States. It will contract with a third party for any services that it needs in connection with the handling of any commodity.

F. Will use appropriate storage and transportation facilities owned and operated by third parties in the United States.

JPM Chase will only use storage and transportation facilities owned and operated by third parties in the United States. It will enter into service agreements only with accredited, reputable independent third party facilities.

* * *

If you have any additional questions, please feel free to call the undersigned at 212-558-7257.

Very truly yours,

Elizabeth Davy

Elizabeth T. Davy

cc: Diane Genova
Mark Lenczowski
(JPM Chase)

2800

INDEX OF CONFIDENTIAL ANNEXES

Letter dated September 13, 2005 from the Office of the Comptroller of the Currency ("OCC") to JP Morgan Chase Bank, N.A. ("JPMC Bank"); Letter dated April 6, 2005 from OCC to JPMC Bank .... A

Additional submissions to the OCC relating to the coal-linked transactions proposed by JPMC Bank .... B

Description of calculation of fees to be charged to JPMVEC for back-to back transactions C

Description of perfectly-matched transactions between JPMC Bank and JPMVEC ...... D

DIVISION OF BANKING
SUPERVISION & REGULATION
2005 SEP 20 PM 1:51
RECEIVED
CLEARING UNIT

Page(s) Redacted By The Permanent Subcommittee on Investigation

ANNEXES ARE REDACTED BY THE SUBCOMMITTTEE

BOARD OF GOVERNORS
OF THE
FEDERAL RESERVE SYSTEM
WASHINGTON, D. C. 20551

ADDRESS OFFICIAL CORRESPONDENCE
TO THE BOARD

AUG 31 2007

Paul E. Glotzer, Esq.
Cleary Gottlieb Steen & Hamilton LLP
One Liberty Plaza
New York, New York 10006

Dear Mr. Glotzer:

This letter concerns the notice filed July 5, 2007, under section 4 of the Bank Holding Company Act ("BHC Act") by BNP Paribas ("BNPP"), Paris, France, to engage on a limited basis in physical commodity trading activities ("Commodity Trading Activities") in the United States.[1]

BNPP states in the notice that it currently engages in commodity derivatives activities that are permissible for bank holding companies under the BHC Act ("Commodity Derivatives Activities"). These activities include trading in cash-settled swaps, forwards, options, and other derivatives based on commodities.[2] BNPP has requested approval to expand its current trading activities in the United States to include engaging in physically settled commodity derivatives, taking or making delivery of commodities in settlement of those derivatives, taking inventory positions in physical commodities, and trading in the spot market in physical commodities.

The Board has previously determined that taking and making delivery of a physical commodity complements the financial activity of

---

[1] BNPP would engage in Commodity Trading Activities through a wholly owned U.S. subsidiary, which would be either a newly established limited liability company or an existing inactive subsidiary company of BNPP.

[2] 12 CFR 225.28(b)(8)(ii).

FILE COPY ART

engaging regularly as principal in Commodity Derivatives Activities based on that commodity pursuant to Regulation Y.[3] The Board has delegated to the Director of the Division of Banking Supervision and Regulation, with the concurrence of the General Counsel, the authority to approve requests by financial holding companies to engage in Commodity Trading Activities as an activity that is complementary to Commodity Derivatives Activities, if the proposal meets the conditions imposed by the Board in approving previous requests to engage in Commodity Trading Activities and does not raise significant legal, policy, or supervisory issues.[4]

In evaluating the risks posed by the proposal, the Director and the General Counsel have considered that BNPP already incurs the price risk of commodities through its Commodity Derivatives Activities. Permitting BNPP to engage in the limited amount and types of physical commodity trading activities described above, within the limits described in the appendix to this letter, would not appear to increase significantly its potential exposure to commodity price risk. To minimize potential increased risks associated with the Commodity Trading Activities (including, but not limited to, storage, transportation, legal, and environmental risks), BNPP has committed to the Board that in the United States it will not (i) own, operate, or invest in facilities for the extraction, transportation, storage, or distribution of commodities; or (ii) process, refine, store, or otherwise alter a physical commodity itself. BNPP has further committed to the Board that it will limit the aggregate market value of physical commodities that it and any of its subsidiaries hold at any one time to 5 percent of BNPP's tier 1 capital. In addition, BNPP has established and maintained policies and systems for monitoring and controlling the risks associated with the Commodity Trading Activities. Going forward, BNPP is expected to continue to maintain effective risk-management policies and systems for its Commodity Trading Activities. Approval of the proposal would likely benefit BNPP's customers by enhancing BNPP's ability to provide efficiently a full range of commodity-related services and improving its understanding of the commodity markets.

---

[3] See 12 CFR 225.28(b)(8)(ii); Board Letters regarding Bank of America Corporation (April 24, 2007), Credit Suisse Group (March 27, 2007), Fortis S.A./N.V. (September 29, 2006), and Wachovia Corporation (April 13, 2006); Société Générale, 92 Fed. Res. Bull. C113 (2006); Deutsche Bank AG, 91 Fed. Res. Bull. C54 (2005); JPMorgan Chase & Co., 91 Fed. Res. Bull. C57 (2005); Barclays Bank PLC, 90 Fed. Res. Bull. 511 (2004); UBS AG, 90 Fed. Res. Bull. 215 (2004); and Citigroup Inc., 89 Fed. Res. Bull. 508 (2003).

[4] BNPP has indicated that the transactions in which it intends to engage after approval of this notice include, among other things, volumetric production payment transactions ("VPPs") on oil or natural gas. VPPs are considered permissible credit transactions under 12 CFR 225.28(b)(1) if a bank holding company sells any commodities it receives under the VPP to third parties prior to delivery. See Letter from Scott G. Alvarez, Esq. to Elizabeth T. Davy, Esq., dated May 15, 2006. BNPP would rely on approval of this notice to retain ownership of commodities delivered to it under a VPP. BNPP has committed to the Board in connection with this notice that the market value of any such commodities it retains would be included in the limit of 5 percent of tier 1 capital on the value of its physical commodity inventory, as detailed in the appendix to this letter.

Based on the record, including all the commitments made to the Board in connection with the notice and the conditions imposed by the Board in previous cases, the Director, with the concurrence of the General Counsel, has determined that the proposed Commodity Trading Activities are complementary to the Commodity Derivatives Activities conducted by BNPP; that the proposal does not appear to pose a substantial risk to BNPP, depository institutions operated by BNPP, or the financial system generally; and that the proposal can reasonably be expected to produce benefits to the public that outweigh any potential adverse effects.

In making these determinations, the Director and the General Counsel relied on all the information, representations, and commitments provided by BNPP to the Board in connection with the notice and, in particular, the commitments set forth in the appendix to this letter and those conditions contained in the previous decisions noted above regarding these activities. These commitments and conditions are critical to the determination that the Commodity Trading Activities would not pose a substantial risk to the safety and soundness of BNPP, other financial institutions, or the financial system generally. These commitments and conditions are deemed to be conditions imposed in writing by the Board in connection with the notice and this approval and, as such, may be enforced in proceedings under applicable law. This determination is also subject to all the conditions set forth in Regulation Y, including those in section 225.7,[5] to the conditions contained in the Board's previous decisions noted above regarding these activities, and to the Board's authority to require modification or termination of the activities of a bank holding company or any of its subsidiaries as the Board finds necessary to ensure compliance with, or to prevent evasion of, the provisions and purposes of the BHC Act and the Board's regulations and orders issued thereunder.

Sincerely yours,

(Signed) Robert deV. Frierson
Robert deV. Frierson
Deputy Secretary of the Board

Attachment

cc: Federal Reserve Bank of New York

---

[5] 12 CFR 225.7.

Appendix

Commitments

1. BNPP commits to the Board of Governors of the Federal Reserve System ("Board") that it will limit the aggregate market value of physical commodities that it holds at any one time as a result of the Commodity Trading Activities to 5 percent of BNPP's consolidated tier 1 capital. BNPP will include in this 5 percent limit the market value of any physical commodities it holds as a result of a failure of reasonable efforts to avoid taking delivery in commodities transactions conducted pursuant to section 225.28(b)(8)(ii)(B) of Regulation Y. In addition, BNPP agrees to notify the Federal Reserve Bank of New York if the aggregate market value of commodities held by it under the approval exceeds 4 percent of BNPP's consolidated tier 1 capital.

2. BNPP commits to the Board that it will assure proper risk management and controls over the Commodity Trading Activities. BNPP will apply the control infrastructure that it has developed and tested with respect to Commodity Derivatives Activities to its Commodity Trading Activities.

3 BNPP commits to the Board that it will take and make physical delivery of, or store, only commodities for which derivative contracts have been authorized for trading on U.S. futures exchanges by the Commodity Futures Trading Commission (unless specifically excluded by the Board) or other commodities that have been specifically authorized by the Board.

4 In the United States, BNPP commits to the Board that it (1) will not own, operate, or invest in facilities for the extraction, transportation, storage, or distribution of commodities (except in satisfaction of debts previously contracted or in connection with a nonperforming loan, or where such investment is otherwise permissible for a financial holding company); (2) will act solely as a financial intermediary in the physical commodities markets; (3) will not process, refine, store, or otherwise alter a physical commodity; and (4) in conducting Commodity Trading Activities, will contract with a third party for any services that are needed in connection with the handling of any commodity and use appropriate storage and transportation facilities owned and operated by third parties.

5. In the United States, BNPP commits to the Board that it will only use storage and transportation facilities owned and operated by third parties, and will enter into service agreements only with accredited, reputable independent third-party facilities.

6. BNPP commits to the Board that it will conduct the Commodity Trading Activities in the Unites States exclusively pursuant to the authority of section 4 of the BHC Act and in accordance with the limitations that the Board has placed on the conduct of such activities, and will not conduct such activities in the United States in reliance on section 2(h)(2) of the BHC Act or 211.23(f)(5) of the Board's Regulation K.

7. BNPP commits to the Board that it will not, without prior Board approval, enter into any physically settled tolling agreements in the United States.

BOARD OF GOVERNORS
OF THE
FEDERAL RESERVE SYSTEM
WASHINGTON, D. C. 20551

ADDRESS OFFICIAL CORRESPONDENCE
TO THE BOARD

APR 10 2008

Mr. John Shrewsberry
Head of Securities Investment Group
Wells Fargo & Company
550 California Street
San Francisco, California 94104

Dear Mr. Shrewsberry:

This letter concerns the notice that Wells Fargo & Company ("Wells Fargo"), San Francisco, California, filed on October 4, 2007, under section 4 of the Bank Holding Company Act ("BHC Act") to engage on a limited basis in physical commodity trading activities.[1]

Wells Fargo states in the notice that it currently engages, principally through its subsidiary, Wells Fargo Bank National Bank, also of San Francisco, in commodity derivative activities that are permissible for bank holding companies under the BHC Act ("Commodity Derivatives Activities"). These activities include trading in cash-settled swaps, forwards, options, and other derivatives based on commodities.[2] Wells Fargo has requested approval to expand its current trading activities to include engaging in physically settled commodity derivatives, taking or making delivery of commodities in settlement of those derivatives, taking inventory positions in physical commodities, and trading activities in the spot market in physical commodities ("Physical Commodity Trading").

---

[1] Wells Fargo would engage in the proposed activities through its wholly owned subsidiary, Wells Fargo Energy Markets, LLC, also in San Francisco.

[2] 12 CFR 225.28(b)(8)(ii).

The Board has previously determined pursuant to Regulation Y that taking and making delivery of a physical commodity complements the financial activity of engaging regularly as principal in Commodity Derivatives Activities based on that commodity.[3] The Board has delegated to the Director of the Division of Banking Supervision and Regulation ("Director"), with the concurrence of the General Counsel, the authority to approve requests by financial holding companies to engage in Physical Commodity Trading as an activity that is complementary to Commodity Derivatives Activities, if the proposal meets the conditions imposed by the Board when it has approved previous requests to engage in Physical Commodity Trading and does not raise significant legal, policy, or supervisory issues.

In evaluating the risks posed by the proposal, the Director and the General Counsel have considered that Wells Fargo already incurs the price risk of commodities through its Commodity Derivatives Activities. Permitting Wells Fargo to engage in the limited amount and types of Physical Commodity Trading activities described above, within the limits described in the appendix to this letter, would not appear to increase significantly its potential exposure to commodity price risk. To minimize potential increased risks associated with Physical Commodity Trading (including, but not limited to, storage, transportation, legal, and environmental risks), Wells Fargo has committed to the Board that it will not (i) own, operate, or invest in facilities for the extraction, transportation, storage, or distribution of commodities; or (ii) process, refine, store, or otherwise alter a physical commodity itself. Wells Fargo has further committed to the Board that it will limit the aggregate market value of physical commodities that it and any of its subsidiaries hold at any one time to 5 percent of Wells Fargo's tier 1 capital.[4] Wells Fargo also has established and maintained policies and systems for monitoring and controlling the risks associated with Physical Commodity Trading. Going forward, Wells Fargo is expected to continue to maintain effective risk-management policies and systems pertaining to its Physical Commodity Trading. Approval of the proposal would likely benefit Wells Fargo's customers by enhancing its ability to provide efficiently a full range of commodity-related services and improving its understanding of the commodity markets.

---

[3] The Royal Bank of Scotland Group plc, 94 Federal Reserve Bulletin ___ (2008); Board letters dated August 31, 2007 (BNP Paribas), April 24, 2007, (Bank of America), March 27, 2007 (Credit Suisse Group), September 29, 2006 (Fortis S.A./N.V.), and April 13, 2006 (Wachovia Corporation); Société Générale, 92 Federal Reserve Bulletin C113 (2006); Deutsche Bank AG, 91 Federal Reserve Bulletin C54 (2005); JPMorgan Chase & Co., 91 Federal Reserve Bulletin C57 (2005); Barclays Bank PLC, 90 Federal Reserve Bulletin 511 (2004); UBS AG, 90 Federal Reserve Bulletin 215 (2004); and Citigroup Inc., 89 Federal Reserve Bulletin 508 (2003).

[4] See the appendix for a list of Wells Fargo's commitments.

Based on the record, including all the commitments made to the Board in connection with the notice and the conditions imposed by the Board in previous cases, the Director, with the concurrence of the General Counsel, has determined that the proposed Physical Commodity Trading activities are complementary to the Commodities Derivatives Activities conducted by Wells Fargo; that the proposal would not appear to pose a substantial risk to Wells Fargo, depository institutions operated by Wells Fargo, or the financial system generally; and that the proposal can reasonably be expected to produce benefits to the public that outweigh any potential adverse effects.

In making these determinations, the Director and the General Counsel relied on all the information, representations, and commitments provided by Wells Fargo to the Board in connection with the notice and, in particular, the commitments set forth in the appendix and the conditions contained in the previous decisions noted above regarding these activities. These commitments and conditions are critical to the determination that Physical Commodity Trading activities would not pose a substantial risk to the safety and soundness of Wells Fargo, other financial institutions, or the financial system generally. These commitments and conditions are deemed to be conditions imposed in writing by the Board in connection with the notice and this approval and, as such, may be enforced in proceedings under applicable law. This determination is also subject to all the conditions set forth in Regulation Y, including those in section 225.7,[5] to the conditions contained in the Board's previous decisions regarding these activities, and to the Board's authority to require modification or termination of the activities of a bank holding company or any of its subsidiaries as the Board finds necessary to ensure compliance with, or to prevent evasion of, the provisions and purposes of the BHC Act and the Board's regulations and orders issued thereunder.

---

[5] 12 CFR 225.7.

Sincerely yours,

(signed) Robert deV. Frierson

Robert deV. Frierson
Deputy Secretary of the Board

Attachment

cc: Federal Reserve Bank of San Francisco

Appendix

Commitments by Wells Fargo

1. Wells Fargo will limit the aggregate market value of physical commodities that it and any of its subsidiaries hold at any one time as a result of the Physical Commodity Trading to 5 percent of Wells Fargo's consolidated tier 1 capital. Wells Fargo will include in this 5 percent limit the market value of any physical commodities it holds as a result of a failure of reasonable efforts to avoid taking delivery in commodities transactions conducted pursuant to section 225.28(b)(8)(ii)(B) of Regulation Y. In addition, Wells Fargo agrees to notify the Federal Reserve Bank of San Francisco if the aggregate market value of commodities held by it under the approval exceeds 4 percent of Wells Fargo's tier 1 capital.

2. Wells Fargo will take and make physical delivery only of physical commodities (i) for which derivative contracts have been authorized for trading on a U.S. futures exchange by the Commodity Futures Trading Commission ("CFTC"), (ii) as to which the Board has specifically determined that all financial holding companies with Physical Commodity Trading authority may take or make physical delivery, or (iii) as to which Wells Fargo has been informed by the Federal Reserve System that it may take or make physical delivery (collectively, "Approved Commodities").

3. Wells Fargo will not process, refine, or otherwise alter a physical commodity itself. Wells Fargo will contract with a third party for any services it needs in connection with the handling of any commodity. Wells Fargo further commits that it will not contract for the exclusive right to use a facility to alter commodities for any period of time. Consistent with the Physical Commodity Trading authority, Wells Fargo will contract with third parties (i) to alter only an Approved Commodity and (ii) to alter the commodity only into another Approved Commodity.

4. Wells Fargo will not use this authority to own, invest in, or operate facilities for the extraction, transportation, storage, or distribution of commodities and will only use storage and transportation facilities owned and operated by third parties. Wells Fargo will enter into service agreements only with reputable independent third-party facilities.

5. Wells Fargo will enter into long-term electricity supply contracts only with commercial and industrial customers that consume electricity at a rate of at least (i) 800 megawatt-hours/year or (ii) the minimum consumption level for large commercial and industrial customers under applicable state law, whichever is greater.

BOARD OF GOVERNORS
OF THE
FEDERAL RESERVE SYSTEM
WASHINGTON, D. C. 20551

ADDRESS OFFICIAL CORRESPONDENCE
TO THE BOARD

SEP 29 2006

David R. Sahr, Esq.
Mayer, Brown, Rowe & Maw LLP
1909 K Street, NW
Washington, D.C. 20006

Dear Mr. Sahr:

The Director of the Division of Banking Supervision and Regulation, with the concurrence of the General Counsel, pursuant to authority delegated by the Board of Governors, has approved the notice under section 4 of the Bank Holding Company Act (12 U.S.C. § 1843) ("BHC Act") by Fortis S.A./N.V., Fortis N.V., Fortis Brussels S.A./N.V., and Fortis Bank S.A./N.V. (collectively, "Fortis"), all of Brussels, Belgium, to engage on a limited basis in physical commodity trading activities.[1] In approving the notice, the Director has determined that the proposed activities are complementary to a financial activity, do not pose a substantial risk to the safety or soundness of depository institutions or the financial system generally, and can reasonably be expected to produce benefits to the public that outweigh any potential adverse effects.[2]

---

[1] Fortis proposes to engage in these activities in the United States by acquiring all of the partnership interests of Cinergy Marketing & Trading, LP ("CMT") from a subsidiary of Duke Energy Corporation, Cinergy Capital & Trading, Inc.

[2] CMT is also party to energy management agreements ("EMAs") with several power generators. The permissibility of EMAs is under review at the Board, and this letter does not constitute a determination that the EMAs are permissible for Fortis under the physical commodity trading authority granted by this letter or the BHC Act and the Board's Regulation Y (12 CFR Part 225). Fortis has committed to modify, unwind, or divest itself of the EMAs, as necessary, if the Board concludes that they are not permissible activities. Fortis also has committed not to enter into additional EMAs while the agreements are under the Board's review.

In making this determination, the Director relied on all the information, representations, and commitments provided by Fortis to the Board in connection with the notice. This determination is subject to all the conditions set forth in Regulation Y, including those in section 225.7 (12 CFR 225.7), and to the Board's authority to require modification or termination of the activities of a bank holding company or any of its subsidiaries as the Board finds necessary to ensure compliance with, or to prevent evasion of, the provisions and purposes of the BHC Act and the Board's regulations and orders issued thereunder.

This approval is specifically conditioned on Fortis's compliance with all the commitments it made to the Board in connection with the proposal, which are set forth in the attached appendix. These commitments and conditions shall be deemed to be conditions imposed in writing by the Board in connection with the notice and this approval and, as such, may be enforced in proceedings under applicable law.

Sincerely yours,

(signed) Robert deV. Frierson

Robert deV. Frierson
Deputy Secretary of the Board

Attachment

cc: Federal Reserve Bank of New York

Appendix

Commitments

1. Fortis S.A./N.V., Fortis N.V., Fortis Brussels S.A./N.V., and Fortis Bank S.A./N.V. (collectively, "Fortis") commit to the Board of Governors of the Federal Reserve System ("Board") that Fortis will limit the aggregate market value of physical commodities that it and any of its subsidiaries hold at any one time to 5 percent of Fortis' tier 1 capital. Fortis will include in this 5 percent limit the market value of any physical commodities they hold as a result of a failure of reasonable efforts to avoid taking delivery in commodities transactions conducted pursuant to section 225.28(b)(8)(ii)(B) of Regulation Y. In addition, Fortis agrees to notify the Federal Reserve Bank of New York if the aggregate market value of commodities held by them under the approval exceeds 4 percent of Fortis' tier 1 capital.

2. Fortis commits to the Board that it will take and make physical delivery only of physical commodities for which derivative contracts have been authorized for trading on U.S. futures exchanges by the Commodity Futures Trading Commission or other commodities that have been specifically authorized by the Board.

3. Fortis commits to the Board that it will not own, invest in, or operate facilities for the extraction, transportation, storage, or distribution of commodities.

4. Fortis commits to the Board that it will act solely as financial intermediaries in the physical commodities market and will not process, refine, or otherwise alter a physical commodity itself. Fortis will contract with a third party for any services that they need in connection with the handling of any commodity.

5. Fortis commits to the Board that it will not store or transport physical commodities on its own but will only use storage and transportation facilities owned and operated by third parties. Fortis will enter into service agreements only with accredited, reputable independent third party facilities.

6. Fortis commits to the Board that it will assure proper risk management and controls over the physical commodity trading activities and integrate the risk management strategies, controls, and systems developed by CMT, wherever appropriate.

Fortis agrees that the foregoing commitments are deemed to be conditions imposed in writing by the Board in connection with its findings and decision on the notice filed by Fortis to engage in physical commodity trading activities under section 225.89 of Regulation Y and, as such, may be enforced in proceedings under applicable law.

BOARD OF GOVERNORS
OF THE
FEDERAL RESERVE SYSTEM
WASHINGTON, D. C. 20551

ADDRESS OFFICIAL CORRESPONDENCE
TO THE BOARD

April 24, 2007

Gregory A. Baer, Esq.
Deputy General Counsel
Bank of America Corporation
730 15th Street, NW
Washington, D.C. 20005

Dear Mr. Baer:

This letter concerns the notice filed January 29, 2007, under section 4 of the Bank Holding Company Act ("BHC Act") by Bank of America Corporation ("Bank of America"), Charlotte, North Carolina, to engage on a limited basis in physical commodity trading activities ("Commodity Trading Activities").[1]

Bank of America states in the notice that it currently engages principally through its subsidiary, Bank of America, N.A. ("BANA"), Charlotte, North Carolina, in commodity derivative activities that are permissible for bank holding companies under the BHC Act ("Commodity Derivatives Activities"). These activities include trading in cash-settled swaps, forwards, options, and other derivatives based on commodities.[2] Bank of America has requested approval to expand its current trading activities to include engaging in physically settled commodity derivatives, taking or making delivery of commodities in settlement of those derivatives, taking inventory positions in physical commodities, and trading activities in the spot market in physical commodities.

---

[1] Bank of America would engage in Commodity Trading Activities through a wholly owned subsidiary, Bank of America Commodities, Inc. ("BACI"), New York, New York.

[2] 12 CFR 225.28(b)(8)(ii).

The Board has previously determined that taking and making delivery of a physical commodity complements the financial activity of engaging regularly as principal in Commodity Derivatives Activities based on that commodity pursuant to Regulation Y.[3] The Board has delegated to the Director of the Division of Banking Supervision and Regulation, with the concurrence of the General Counsel, the authority to approve requests by financial holding companies to engage in Commodity Trading Activities as an activity that is complementary to Commodity Derivatives Activities, if the proposal meets the conditions imposed by the Board when approving previous requests to engage in Commodity Trading Activities and does not raise significant legal, policy, or supervisory issues.

In evaluating the risks posed by the proposal, the Director and the General Counsel have considered that Bank of America already incurs the price risk of commodities through its Commodity Derivatives Activities. Permitting Bank of America to engage in the limited amount and types of physical commodity trading activities described above, within the limits described in the appendix to this letter, would not appear to increase significantly its potential exposure to commodity price risk. To minimize potential increased risks associated with the Commodity Trading Activities (including, but not limited to, storage, transportation, legal, and environmental risks), Bank of America has committed to the Board that it will not (i) own, operate, or invest in facilities for the extraction, transportation, storage, or distribution of commodities; or (ii) process, refine, store, or otherwise alter a physical commodity itself. Bank of America has further committed to the Board that it will limit the aggregate market value of physical commodities that it and any of its subsidiaries hold at any one time to 5 percent of Bank of America's tier 1 capital. Bank of America also has established and maintained policies and systems for monitoring and controlling the risks associated with the Commodity Trading Activities. Going forward, Bank of America is expected to continue to maintain effective risk-management policies and systems pertaining to its Commodity Trading Activities. Approval of the proposal would likely benefit Bank of America's customers by enhancing its ability to provide efficiently a full range of commodity-related services and improving its understanding of the commodity markets.

---

[3] See 12 CFR 225.28(b)(8)(ii); Board letters dated March 27, 2007, regarding Credit Suisse Group, September 29, 2006, regarding Fortis S.A./N.V., and April 13, 2006, regarding Wachovia Corporation; Société Générale, 92 Federal Reserve Bulletin C113 (2006); Deutsche Bank AG, 92 Federal Reserve Bulletin C54 (2006); JPMorgan Chase & Co., 92 Federal Reserve Bulletin C57 (2006); Barclays Bank PLC, 90 Federal Reserve Bulletin 511 (2004); UBS AG, 90 Federal Reserve Bulletin 215 (2004); and Citigroup Inc., 89 Federal Reserve Bulletin 508 (2003).

Based on the record, including all the commitments made to the Board in connection with the notice and the conditions imposed by the Board in previous cases, the Director, with the concurrence of the General Counsel, has determined that the proposed Commodity Trading Activities are complementary to the Commodities Derivatives Activities conducted by Bank of America; that the proposal would not appear to pose a substantial risk to Bank of America, depository institutions operated by Bank of America, or the financial system generally; and that the proposal can reasonably be expected to produce benefits to the public that outweigh any potential adverse effects.

In making these determinations, the Director and the General Counsel relied on all the information, representations, and commitments provided by Bank of America to the Board in connection with the notice and, in particular, the commitments set forth in the appendix to this letter and those conditions contained in the Board's previous decisions noted above regarding these activities. These commitments and conditions are critical to the determination that the Commodity Trading Activities would not pose a substantial risk to the safety and soundness of Bank of America, other financial institutions, or the financial system generally. These commitments and conditions are deemed to be conditions imposed in writing by the Board in connection with the notice and this approval and, as such, may be enforced in proceedings under applicable law.

This approval is specifically conditioned on Bank of America's compliance with all the commitments made to the Board in connection with the proposal, including those set forth in the appendix. This determination is also subject to all the conditions set forth in Regulation Y, including those in section 225.7,[4] to the conditions contained in the Board's previous decisions noted above regarding these activities, and to the Board's authority to require modification or termination of the activities of a bank holding company or any of its subsidiaries as the Board finds necessary to ensure compliance with, or to prevent evasion of, the provisions and purposes of the BHC Act and the Board's regulations and orders issued thereunder.

---

[4] 12 CFR 225.7.

Sincerely yours,

Robert deV. Frierson
Deputy Secretary of the Board

Appendix

cc: Federal Reserve Bank of Richmond

Appendix

Commitments

1. Bank of America commits to the Board of Governors of the Federal Reserve System ("Board") that it will limit the aggregate market value of physical commodities that it and any of its subsidiaries hold at any one time as a result of the Commodity Trading Activities to 5 percent of Bank of America's consolidated tier 1 capital. Bank of America will include in this 5 percent limit the market value of any physical commodities it holds as a result of a failure of reasonable efforts to avoid taking delivery in commodities transactions conducted pursuant to section 225.28(b)(8)(ii)(B) of Regulation Y. In addition, Bank of America agrees to notify the Federal Reserve Bank of Richmond if the aggregate market value of commodities held by it under the approval exceeds 4 percent of Bank of America's tier 1 capital.

2. Bank of America commits to the Board that it will take and make physical delivery only of commodities for which derivative contracts have been authorized for trading on U.S. futures exchanges by the Commodity Futures Trading Commission (unless specifically excluded by the Board) or other commodities that have been specifically authorized by the Board.

3. Bank of America commits to the Board that it will not own, invest in, or operate facilities for the extraction, transportation, storage, or distribution of commodities (except in satisfaction of debts previously contracted or in connection with a non-performing loan, or where such investment is otherwise permissible for a financial holding company).

4. Bank of America commits to the Board that it will not process, refine, or otherwise alter a physical commodity itself. Bank of America will contract with a third party for any services that are needed in connection with the handling of any commodity.

5. Bank of America commits to the Board that it will not store or transport physical commodities on its own but will only use storage and transportation facilities owned and operated by third parties. Bank of America will enter into service agreements only with accredited, reputable independent third-party facilities.

BOARD OF GOVERNORS
OF THE
FEDERAL RESERVE SYSTEM
WASHINGTON, D. C. 20551

ADDRESS OFFICIAL CORRESPONDENCE
TO THE BOARD

March 27, 2007

Paul E. Glotzer, Esq.
Cleary Gottlieb Steen & Hamilton LLP
One Liberty Plaza
New York, New York 10006-1470

Dear Mr. Glotzer:

This letter concerns the notice filed September 12 , 2006, under section 4 of the Bank Holding Company Act ("BHC Act") by Credit Suisse Group and Credit Suisse (collectively, "Credit Suisse"), Zurich, Switzerland, to engage on a limited basis in physical commodity trading activities ("Commodity Trading Activities").

Credit Suisse states in the notice that it currently engages principally through its subsidiary, Credit Suisse Energy LLC, New York, New York, in commodity derivative activities that are permissible for bank holding companies under the BHC Act ("Commodity Derivatives Activities"). These activities include trading in cash-settled swaps, forwards, options, and other derivatives based on commodities.[1] Credit Suisse has requested approval to expand its current trading activities in the United States to include engaging in physically settled commodity derivatives, taking or making delivery of commodities in settlement of those derivatives, taking inventory positions in physical commodities, and trading activities in the spot market in physical commodities.

The Board has previously determined that taking and making delivery of a physical commodity complements the financial activity of engaging regularly as principal in Commodity Derivatives Activities based on that commodity pursuant to Regulation Y.[2] The Board has delegated to the Director of the Division of Banking Supervision and Regulation, with the concurrence of the General Counsel, the authority to approve requests by financial holding companies to engage in Commodity Trading Activities as an activity that is complementary to Commodity Derivatives Activities, if the proposal meets the conditions imposed by the Board when approving previous requests to engage in Commodity Trading Activities and does not raise significant legal, policy, or supervisory issues.[3]

---

[1] 12 CFR 225.28(b)(8)(ii).

[2] See 12 CFR 225.28(b)(8)(ii); Board letters dated September 29, 2006, regarding Fortis and April 13, 2006, regarding Wachovia; Société Générale, 92 Federal

In evaluating the risks posed by the proposal, the Director and the General Counsel have considered that Credit Suisse already incurs the price risk of commodities through its Commodity Derivatives Activities. Permitting Credit Suisse to engage in the limited amount and types of physical commodity trading activities described above, within the limits described in the appendix to this letter, would not appear to increase significantly its potential exposure to commodity price risk. To minimize potential increased risks associated with the Commodity Trading Activities (including, but not limited to, storage, transportation, legal, and environmental risks), Credit Suisse has committed to the Board that it will not (i) own, operate, or invest in facilities for the extraction, transportation, storage, or distribution of commodities; or (ii) process, refine, store, or otherwise alter a physical commodity itself. Credit Suisse has further committed to the Board that it will limit the aggregate market value of physical commodities that it and any of its subsidiaries hold at any one time to 5 percent of

---

Reserve Bulletin C113 (2006); Deutsche Bank AG, 92 Federal Reserve Bulletin C54 (2006); JPMorgan Chase & Co., 92 Federal Reserve Bulletin C57 (2006); Barclays Bank PLC, 90 Federal Reserve Bulletin 511 (2004); UBS AG, 90 Federal Reserve Bulletin 215 (2004); and Citigroup Inc., 89 Federal Reserve Bulletin 508 (2003).

[3] Credit Suisse has indicated that the transactions in which it intends to engage after approval of this notice include, among other things, volumetric production payment transactions ("VPPs") on oil or natural gas. VPPs are considered permissible credit transactions under 12 CFR 225.28(b)(1) if a bank holding company immediately sells any commodities it receives under the VPP to third parties. See Letter from Scott G. Alvarez, Esq. to Elizabeth T. Davy, Esq., dated May 15, 2006. Credit Suisse would rely on approval of this notice to permit it to retain ownership of commodities delivered to it under a VPP. The market value of any such commodities retained by Credit Suisse would be included in the 5 percent of tier 1 capital limit on the value of its physical commodity inventory to which Credit Suisse has committed in connection with this notice, as detailed in the appendix to this letter.

Credit Suisse Group's tier 1 capital. Credit Suisse also has established and maintained policies and systems for monitoring and controlling the risks associated with the Commodity Trading Activities. Going forward, Credit Suisse is expected to continue to maintain effective risk-management policies and systems pertaining to its Commodity Trading Activities. Approval of the proposal would likely benefit Credit Suisse's customers by enhancing its ability to provide efficiently a full range of commodity-related services and improving its understanding of the commodity markets.

Based on the record, including all the commitments made to the Board in connection with the notice and the conditions imposed by the Board in previous cases, the Director, with the concurrence of the General Counsel, has determined that the proposed Commodity Trading Activities are complementary to the Commodities Derivatives Activities conducted by Credit Suisse; that the proposal would not appear to pose a substantial risk to Credit Suisse, depository institutions operated by Credit Suisse, or the financial system generally; and that the proposal can reasonably be expected to produce benefits to the public that outweigh any potential adverse effects.

In making these determinations, the Director and the General Counsel relied on all the information, representations, and commitments provided by Credit Suisse to the Board in connection with the notice and, in particular, the commitments set forth in the appendix to this letter and those conditions contained in the Board's previous decisions noted above regarding these activities. These commitments and conditions are critical to the determination that the Commodity Trading Activities would not pose a substantial risk to the safety and soundness of Credit Suisse, other financial institutions, or the financial system generally. These commitments and conditions are deemed to be conditions imposed in writing by the Board in connection with the notice and this approval and, as such, may be enforced in proceedings under applicable law.

This approval is specifically conditioned on Credit Suisse's compliance with all the commitments made to the Board in connection with the proposal, including those set forth in the appendix. This determination is also subject to all the conditions set forth in Regulation Y, including those in section 225.7,[4] to the conditions contained in the Board's previous decisions noted above regarding these activities, and to the Board's authority to require modification or termination of the activities of a bank holding company or any of its subsidiaries as the Board finds necessary to ensure compliance with, or to prevent evasion of, the provisions and purposes of the BHC Act and the Board's regulations and orders issued thereunder.

---

[4] 12 CFR 225.7.

Sincerely yours,

Robert deV. Frierson
Deputy Secretary of the Board

Appendix

cc: Federal Reserve Bank of New York

Appendix

Commitments

1. Credit Suisse Group and each of its subsidiaries engaged in physical commodity trading activities (collectively, "Credit Suisse") commits to the Board of Governors of the Federal Reserve System ("Board") that it will limit the aggregate market value of physical commodities that it and any of its subsidiaries hold at any one time to 5 percent of Credit Suisse Group's tier 1 capital. Credit Suisse will include in this 5 percent limit the market value of any physical commodities it holds as a result of a failure of reasonable efforts to avoid taking delivery in commodities transactions conducted pursuant to section 225.28(b)(8)(ii)(B) of Regulation Y. In addition, Credit Suisse agrees to notify the Federal Reserve Bank of New York if the aggregate market value of commodities held by it under the approval exceeds 4 percent of Credit Suisse Group's tier 1 capital.

2. Credit Suisse commits to the Board that it will ensure proper risk management and controls over its physical commodity trading activities and that it will apply to its physical commodity trading activities the control infrastructure that it has developed and tested with respect to its existing commodity derivative activities.

3. Credit Suisse commits to the Board that it will take and make physical delivery of, or store, only physical commodities for which derivative contracts have been authorized for trading on U.S. futures exchanges by the Commodity Futures Trading Commission (unless specifically excluded by the Board) or other commodities that have been specifically authorized by the Board.

4. Credit Suisse commits to the Board that, in the United States, (1) it will not own, invest in, or operate facilities for the extraction, transportation, storage, or distribution of commodities (except in satisfaction of debts previously contracted or in connection with a nonperforming loan, or where such investment is otherwise permissible for a financial holding company); (2) it will act solely as a financial intermediary in the physical commodities markets; (3) it will not process, refine, store, or otherwise alter a physical commodity; and (4) in conducting its physical commodity trading activities, it will contract with a third party for any services that are needed in connection with the handling of any commodity and use appropriate storage and transportation facilities owned and operated by third parties.

5. Credit Suisse commits to the Board that, in the United States, it will only use storage and transportation facilities owned and operated by third parties and will

enter into service agreements only with accredited, reputable, independent third-party facilities.

6. Credit Suisse commits to the Board that it will conduct its physical-commodity trading activities in the United States exclusively pursuant to the authority of section 4 of the Bank Holding Company Act of 1956, as amended ("BHC Act"), and in accordance with the limitations that the Board has placed on the conduct of such activities, and will not conduct such activities in the United States in reliance on section 2(h)(2) of the BHC Act or section 211.23(f)(5) of the Board's Regulation K.

7. Credit Suisse commits to the Board that it will not, without prior Board approval, enter into any physically settled tolling arrangement in the United States.

2829

BOARD OF GOVERNORS
OF THE
FEDERAL RESERVE SYSTEM
WASHINGTON, D. C. 20551

ADDRESS OFFICIAL CORRESPONDENCE
TO THE BOARD

April 13, 2006

Elizabeth T. Davy, Esq.
Sullivan & Cromwell LLP
125 Broad Street
New York, New York 10004-2498

Dear Ms. Davy:

The Director of the Division of Banking Supervision and Regulation, with the concurrence of the General Counsel, pursuant to authority delegated by the Board of Governors, has approved the notice under section 4 of the Bank Holding Company Act (12 U.S.C. § 1843) by Wachovia Corporation ("Wachovia"), Charlotte, North Carolina, to engage on a limited basis in physical commodity trading activities. In approving the notice, the Director has determined that the proposed activities are complementary to a financial activity, do not pose a substantial risk to the safety or soundness of depository institutions or the financial system generally, and can reasonably be expected to produce benefits to the public that outweigh any potential adverse effects.

In making this determination, the Director relied on all the information, representations, and commitments provided by Wachovia to the Board in connection with the notice. This determination is subject to all the conditions set forth in Regulation Y, including those in section 225.7 (12 CFR 225.7), and to the Board's authority to require modification or termination of the activities of a bank holding company or any of its subsidiaries as the Board finds necessary to ensure compliance with, or to prevent evasion of, the provisions and purposes of the BHC Act and the Board's regulations and orders issued thereunder.

This approval is specifically conditioned on Wachovia's compliance with all the commitments it made to the Board in connection with the proposal, which are set forth in the attached appendix. These commitments and conditions shall be deemed to be conditions imposed in writing by the Board in connection with the notice and this approval and, as such, may be enforced in proceedings under applicable law.

Sincerely yours,

Robert deV. Frierson
Deputy Secretary of the Board

Attachment

cc: Federal Reserve Bank of Richmond

Appendix

Commitments

1. Wachovia Corporation ("Wachovia") and each of its subsidiaries engaged in physical commodity trading activities (collectively, "Notificants") commit to the Board of Governors of the Federal Reserve System ("Board") that they will limit the aggregate market value of physical commodities that they and any of their subsidiaries hold at any one time to 5 percent of Wachovia's tier 1 capital. Notificants will include in this 5 percent limit the market value of any physical commodities they hold as a result of a failure of reasonable efforts to avoid taking delivery in commodities transactions conducted pursuant to section 225.28(b)(8)(ii)(B) of Regulation Y. In addition, Notificants agree to notify the Federal Reserve Bank of Richmond if the aggregate market value of commodities held by them under the approval exceeds 4 percent of Wachovia's tier 1 capital.

2. Notificants commit to the Board that they will take and make physical delivery only of physical commodities for which derivative contracts have been authorized for trading on U.S. futures exchanges by the Commodity Futures Trading Commission or other commodities that have been specifically authorized by the Board.

3. Notificants commit to the Board that they will not own, invest in, or operate facilities for the extraction, transportation, storage, or distribution of commodities.

4. Notificants commit to the Board that they will act solely as financial intermediaries in the physical commodities market and will not process, refine, or otherwise alter a physical commodity itself. Notificants will contract with a third party for any services that they need in connection with the handling of any commodity.

5. Notificants commit to the Board that they will not store or transport physical commodities on their own but will only use storage and transportation facilities owned and operated by third parties. Notificants will enter into service agreements only with accredited, reputable independent third party facilities.

Notificants agree that the foregoing commitments are deemed to be conditions imposed in writing by the Board in connection with its findings and decision on the notice filed by Wachovia to engage in physical commodity trading activities under section 225.89 of Regulation Y and, as such, may be enforced in proceedings under applicable law.

From: Shaun.Teichner@glencore.com [mailto:Shaun.Teichner@glencore.com]
Sent: Friday, November 07, 2014 09:15 AM
To: Gellasch, Tyler (HSGAC)
Cc: Churches, Joel (HSGAC); Lueptow, Michael (HSGAC); Mullen, Elise (HSGAC)
Subject: RE: Follow Up Questions

Dear Mr Gellasch

Please see below in red our responses to the questions that you raised.

Redacted By
Permanent Subcommittee on Investigations

Redacted By
Permanent Subcommittee on Investigations

3. Please confirm that the total deal was for two parts (1) a straight incentive to warrant metal in Detroit for 50,000 metric tons at $198/ton; and (2) a second portion conducted via two swap transactions that was to be between 25,000-75,000 metric tons—of which 41,000 metric tons was ultimately done.

This is not correct. The 41,000 MT swap transactions were not part of the 25,000 MT to 75,000 MT incentive transaction.
To clarify, there was: (1) a deal whereby Glencore agreed to place 50,000 MT of aluminum in a Detroit Metro warehouse in exchange for an incentive of $198/MT paid by Metro; (2) a deal whereby Glencore agreed to place 25,000 MT to 75,000 MT on warrant in a Metro Detroit warehouse in exchange for an incentive $198/MT paid by Metro for any such tonnage placed on warrant; and separately, (3) a swap transaction involving 20,000 MT of aluminum located in Mobile; and (4) a swap transaction involving 21,000 MT of aluminum located in Baltimore. Glencore did not receive a $198/MT incentive with respect to the swap transactions described in (3) and (4).

4. Please confirm that Glencore had previously cancelled warrants in excess of 91,000 metric tons in Detroit before the deal started. Correct.

5. Please confirm that, of the 91,000 metric tons that was ultimately warranted pursuant to the deal in Detroit,

20,000 metric tons had never before been warranted at Metro and 71,000 tons had previously been warranted at Metro. 19,950 MT had never been warranted at Metro. The remaining 71,000 MT had previously been warranted at Metro.

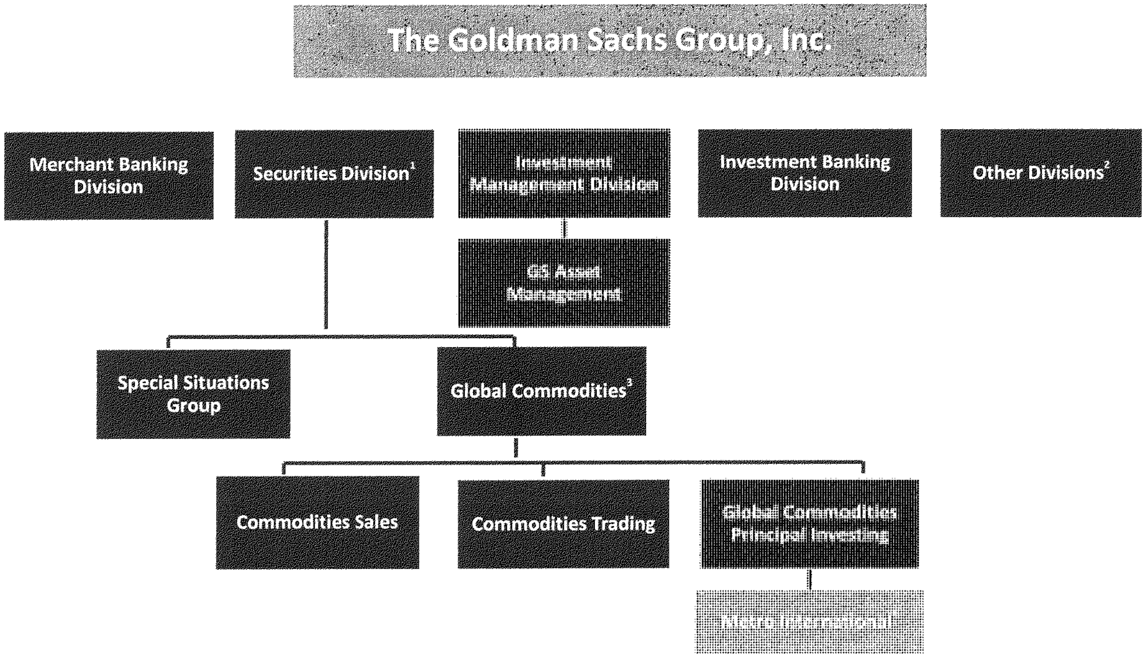
a. For the metal that was previously not warranted at Metro, please identify whether that metal was warranted pursuant to the 50,000 metric ton portion of the deal, the 21,000 ton swap, or the 20,000 ton swap.

The 19,950 MT that had never been warranted at Metro was warranted at Metro pursuant to the 20,000 MT swap involving Mobile metal.

Thank you. Please feel free to reach out with any questions.

Tyler E. Gellasch
Senior Counsel
Permanent Subcommittee on Investigations
U.S. Senate
199 Russell Senate Office Building
Washington, D.C. 20510
(202) 224-9872

LEGAL DISCLAIMER. The contents of this electronic communication and any attached documents are strictly confidential and they may not be used or disclosed by someone who is not a named recipient.
If you have received this electronic communication in error please notify the sender by replying to this electronic communication inserting the word "misdirected" as the subject and delete this communication from your system.



1 Securities Division was created by way of a combination of the Equities Division and the Fixed Income, Currencies and Commodities Division
2 Global Investment Research, Finance, Operations, Internal Audit, Human Capital Management, Global Compliance, Legal, Executive Office
3 Most, but not all, transactions in Global Commodities are booked in the legal entity J. Aron & Company
4 Investment made in accordance with Merchant Banking Exemption, subject to LME information barriers. Information barriers also exist in other areas.

Legal entities in light blue; organizational divisions/units in dark blue

1200 New Hampshire Avenue NW, Washington, DC 20036
tel (202) 974-5600 fax (202) 974-5602

CHADBOURNE
& PARKE LLP

Abbe David Lowell
direct tel (202) 974-5605
adlowell@chadbourne.com

August 8, 2014

By E-mail

Mr. Joe Bryan
Permanent Subcommittee on Investigations
Homeland Security & Governmental Affairs Committee
United States Senate
199 Russell Senate Office Building
1st & Constitution, N.E.
Washington, D.C. 20510

Re: Follow-Up Requests

Dear Mr. Bryan:

I write on behalf of The Goldman Sachs Group, Inc. ("Goldman Sachs" or the "Firm") in connection with the efforts of the Permanent Subcommittee on Investigations (the "Subcommittee") to better understand the nature and scope of activities of U.S. banks in physical commodities.[1] Goldman Sachs responds to certain requests contained in your e-mails dated July 22, 2014 and July 29, 2014, which we reproduce below for your convenience. We are continuing to work diligently on the remaining requests and are confirming certain information, and we will supplement this submission with our additional responses next week.

Redacted By The Permanent Subcommittee on Investigations

---

[1] The Goldman Sachs Group, Inc. is the Firm's publicly-held parent company. Information relevant to the Subcommittee's requests involves the activities of affiliates controlled by the Firm operating both inside and outside the United States.

Page(s)
Redacted By The
Permanent Subcommittee
on Investigation

Redacted By The Permanent Subcommittee on Investigations

Request No. 10: Provide a copy of Metro's information barrier policy (the complement to the GS policy).

Goldman Sachs' information barrier policy with respect to Metro applies to both Goldman Sachs and Metro. We previously produced this policy to you on April 30, 2014 (bearing production numbers GSPSICOMMODS00004059 - GSPSICOMMODS00004094). Metro has adopted an "Implementation Guide" for this information barrier policy, which is an appendix thereto at GSPSICOMMODS00004089 - GSPSICOMMODS00004094).

Redacted By The Permanent Subcommittee on Investigations

Request No. 13: Advise whether PWC's statement that [there] were no breaches of the information barriers policy reflects: (1) a conclusion reached by PWC through its own investigation of how information may have been shared with Goldman Sachs personnel, or (2) what PWC was advised by Goldman Sachs.

As reflected in its attestation report we previously produced to you on April 30, 2014 (bearing production numbers GSPSICOMMODS00004096 - GSPSICOMMODS00004112), PricewaterhouseCoopers ("PwC") examined the assertion made by Metro's management that its information barrier controls were:

> "1) suitably designed during the period April 1, 2012 to December 31, 2012 to provide reasonable assurance that the control objectives established by management and described herein would achieve compliance with the LME Notice if these controls were complied with satisfactorily, and service organizations applied their controls contemplated by Metro in the design of Metro's controls related to the LME Notice, and 2) were operating with sufficient effectiveness to provide reasonable assurance that the specified control objectives, included in Management's Description, were achieved during the period from April 1, 2012 to December 31, 2012."

GSPSICOMMODS00004096. In concluding that Metro's management assertion with respect to the above "is fairly stated, in all material respects" (except for one deficiency relating to timely removal of terminated employees' access to Metro's systems), PwC conducted an on-site examination for several weeks during which it independently tested each of the control objectives identified in Metro's management description. In support of these control objectives, Metro provided PwC with relevant documents and evidence of controls, and PwC requested and received additional information necessary to arrive at its conclusion.

PwC also examined the assertion made by Metro's management (similar to that made in 2012) regarding Metro's information barrier controls for the period January 1, 2013 to December 31, 2013. After an on-site examination similar to the one conducted in 2012, PwC concluded that Metro's management assertion with respect to such controls "is fairly stated, in all material respects." We did not receive PwC's 2013 report until after we made our submission to you on April 30, 2014; this report is enclosed as Exhibit B (bearing production numbers GSPSICOMMODS00004120 - GSPSICOMMODS00004136).

Redacted By The Permanent Subcommittee on Investigations

Request No. 15: Indicate whether any Goldman Sachs employee has ever reported inadvertently receiving Metro confidential information and, if so, for each incident, provide the date, circumstances, employee, and information involved.

Based on its reasonably diligent review of readily accessible information, Goldman Sachs does not believe that any employee has ever reported receiving inadvertently Metro information that is confidential under the applicable policy.

Redacted By The Permanent Subcommittee on Investigations

Request No. 20: Describe the circumstances that led Goldman Sachs to significantly increase its physical aluminum holdings between March 2012 and April 2012 and subsequently reduce those holdings.

As we discussed at our meeting with you on July 16, 2014, in the wake of the large surplus of aluminum that developed as a result of the recession, Goldman Sachs decided to expand its base metal market-making activities in order to provide a broader range of liquidity and risk management products and services. As part of this initiative, we initially expanded trading relationships with "producer" clients. During the course of 2012, we focused on expanding relationships with "consumer" clients. In order to support an expanded consumer franchise, we sought to increase our inventory position.

As we also discussed at our meeting, we identified three primary means to build inventory: (i) sourcing from producers, (ii) sourcing from other intermediaries, and (iii) sourcing from the LME. We determined that sourcing metal from the LME would be the most cost-effective means of obtaining desired inventory for our consumer franchise.

The increase in our warrant position in March and April of 2012 reflected our first effort to build this inventory position. At the time we directed our efforts at sourcing inventory that would be immediately available to provide to consumer clients. In this context, acquiring warrants for metal held at warehouses that were not subject to queues was the means by which we sought to obtain such immediately available inventory. To achieve this, we purchased futures contracts for delivery in April 2012 and sold futures contracts for delivery in May and June 2012. We endeavored to purchase a sufficient volume of futures contracts such that the parties to the other side of the transactions would deliver at least some warrants from non-queue warehouses to meet their obligations at the time of settlement.

Our purchases did not yield non-queue warrants. Accordingly, we delivered the warrants that we received from our April purchases to satisfy our sale commitments in May and June. This delivery accounts for the decrease in our warrant position in May and June 2012.

Request No. 21: Describe and explain the actions taken by Goldman Sachs to significantly increase its physical aluminum holdings in December 2012 and subsequently reduce those holdings.

After our experience in the Spring of 2012, we considered a longer-term strategy to developing our consumer franchise business. Dialogue with consumer clients revealed client interest in having Goldman Sachs serve as a source of supply for metal in the future and as a counterparty on forward-starting hedge transactions. To facilitate this, we implemented a strategy to acquire inventory that would be accessible both in the near and longer term.

We executed this strategy by purchasing futures contracts for delivery in December 2012. In order to maintain a balanced position, we sold futures contracts in January 2013. We endeavored to purchase a sufficient volume of futures contracts such that the parties to the other side of the transactions would deliver at least some warrants from non-queue locations.

We took the December 2012 position to settlement and acquired the underlying warrants. We then did two things with these warrants. First, we used over 50% of the warrants to meet our obligations under our January position. Then, we retained the balance of the warrants, most of which related to metal in Detroit and Vlissingen, and cancelled the warrants. We then rolled the balance of our January short position by purchasing an equivalent volume of January 2013 futures and selling an equivalent volume of futures for delivery at the times when we expected metal to be loaded out in relation to the warrants we had cancelled.

This strategy resulted in our warrant inventory position moving from approximately 150,000 MT before December 2012, to approximately 1.3m MT in December 2012 and approximately 600,000 MT in January 2013.

Redacted By The Permanent Subcommittee on Investigations

Request No. 24: Provide a description of Metro's processes for warrant cancellation.

Metro has adopted outbound procedures relating to warrant cancellations, which have been in effect since at least April 2002. Pursuant to these procedures, the holder of a warrant instructs its clearing broker or agent to have the warrant retrieved from the depository. The broker/agent issues instructions to the depository to retrieve the warrant through the LME's SWORD system. Once retrieved, the warrant is tendered to Metro's agent, ICS, for cancellation. ICS processes the cancellation in SWORD and prepares release documentation. ICS then sends release instructions to Metro, and Metro adjusts the stock report so that the warrant is reflected as cancelled. Metro confirms receipt to the customer of cancellation instructions. Metro then issues an invoice for any unpaid rent and FOT charges. Once outstanding amounts owed to the warehouse have been settled and the customer provides detailed shipping instructions, Metro notifies the customer of specific load-out dates and the number of pick-up slots by warehouse. The customer next confirms acceptance of delivery dates/details. Metro issues a Notice of Cargo Release Procedures which defines pick-up requirements, including carrier/driver details that must be supplied prior to truck arrival. The customer then provides pick-up details prior to the beginning of each delivery date. Once the metal has been placed on the truck, the truck operator and Metro sign a bill of lading confirming details of the load out. Metro then adjusts the stock report so that the metal associated with the warrant is reflected as delivered out in the LME's SWORD system.

Request No. 25: Indicate any occasion in which cancelled warrants in the Metro queue were re-warranted prior to load out, and provide the identity of the party that owned those warrants at both the time of cancellation and at re-warranting.

Enclosed as Exhibit D is a spreadsheet (bearing production number GSPSICOMMODS00004251) that Metro prepared in response to this Request identifying instances during the period 2010 to the present where warrants for aluminum in Metro's Detroit queue were re-issued prior to load out, as well as the entity that cancelled the warrant and requested that the warrant be re-issued. As mentioned above in response to Request No. 22, this spreadsheet shows that 1,211 warrants for 30,275 MT of aluminum were re-issued on January 6, 2011. According to Metro's records, DB (Deutsche Bank) Energy Trading LLC was the metal owner that cancelled warrants for 100,000 MT of aluminum on September 17, 2010 and subsequently requested the re-issuance of warrants for 30,275 MT; the remaining 69,725 MT of aluminum were shipped out of Metro's warehouse.

Request No. 26. For the period beginning with Goldman Sachs's purchase of Metro in February 2010 until June 2014, provide copies of the following Metro documents:

a. **Monthly GCPIL data packages;**
b. **Board Information Packs;**
c. **"One-pager" documents and any other Metro confidential information provided to Isabelle Ealet;**
d. **Documents containing Metro-confidential information that was provided to any other "designated individual" under Goldman's information barrier policy;**
e. **Any other documents containing Metro-confidential information that were approved by Divisional Compliance for distribution to individuals who were not specifically authorized by name under the information barrier policy to receive confidential Metro information.**

In partial response to (a) of this Request, we are producing documents (bearing production numbers GSPSICOMMODS00004252 - GSPSICOMMODS00009250) consisting of GCPIL data packages referenced in Goldman Sachs' information barrier policy for the period January to June 2014. We are continuing to prepare and process for production such GCPIL data packages from the requested period and will supplement this production next week. In response to (b), we are producing documents (bearing production numbers GSPSICOMMODS00009251 - GSPSICOMMODS00009637) consisting of Metro board information packs referenced in the information barrier policy and prepared in connection with each Metro board meeting during the period February 2010 until June 2014. In response to (c), we are producing documents (bearing production numbers GSPSICOMMODS00009638 - GSPSICOMMODS00009693) consisting of monthly management updates for the period March 2010 to June 2014; no update was prepared for February 2010. Please note that these materials are encrypted. We will send you by email the hyperlink and password for you to electronically retrieve these materials.

In response to (d) and (e) of this Request, Goldman Sachs believes that, based on its reasonably diligent search of readily accessible information, there are no responsive documents.

Request No. 27: Advise whether logs are kept documenting oral transmissions of confidential Metro information to Goldman Sachs employees. If logs are kept, please provide those logs.

The information barrier policy relating to the transmission of Metro confidential information applies consistently without regard to whether the information is transmitted orally or in writing. Pursuant to this policy, Goldman Sachs' Compliance Department keeps track of "Designated Individuals" and other individuals authorized to receive access to certain Metro confidential information, but does not maintain logs documenting the transmission of such information. As we discussed during our July 16 meeting, Goldman Sachs has various measures in place to enforce its information barrier policy, and Compliance has found no unauthorized instances where Metro confidential information was transmitted to Goldman Sachs sales and trading personnel.

Request No. 28: Advise how much of the approximately 1.5 million tonnes of aluminum that was owned by Goldman as of December 2012 was stored in Metro and Vlissingen, respectively.

As of December 31, 2012, Goldman Sachs stored 32.06% and 51.47% of the approximately 1.5 million MT of aluminum at Metro and Vlissingen, respectively.

* * *

Redacted By The Permanent Subcommittee on Investigations

Redacted By The Permanent Subcommittee on Investigations

Sincerely,

Abbe D Lowell /sk

Abbe David Lowell

Enclosures

cc: Elise J. Bean, Esq.
Steven R. Peikin, Esq.

1200 New Hampshire Avenue NW, Washington, DC 20036
tel (202) 974-5600 fax (202) 974-5602

CHADBOURNE
& PARKE LLP

Abbe David Lowell
direct tel (202) 974-5605
adlowell@chadbourne.com

April 30, 2014

By E-mail

David Katz, Esq.
Permanent Subcommittee on Investigations
Homeland Security & Governmental Affairs Committee
United States Senate
199 Russell Senate Office Building
1st & Constitution, N.E.
Washington, D.C. 20510

Re: April 2, 2014 Email

Dear Mr. Katz:

I write on behalf of The Goldman Sachs Group, Inc. ("Goldman Sachs" or the "Firm") in connection with the efforts of the Permanent Subcommittee on Investigations (the "Subcommittee") to better understand the nature and scope of activities of U.S. banks in physical commodities.[1] Goldman Sachs responds to the requests contained in your April 2, 2014 email, which we reproduce below for your convenience.

Request No. 1: Goldman Sachs and Metro International Trade Services ("Metro") policies relating to compliance with LME rule on Information Barriers Between Warehouse Companies and Trading Companies.

Enclosed are Goldman Sachs' information barrier policy regarding Metro and accompanying appendices, as well as Metro's "Implementation Guide" with respect to such policy currently in effect (bearing production numbers GSPSICOMMODS00004059 – GSPSICOMMODS00004094).

---

[1] The Goldman Sachs Group, Inc. is the Firm's publicly-held parent company. Information relevant to the Subcommittee's requests involves the activities of affiliates controlled by the Firm operating both inside and outside the United States.

Request No. 2: Metro's practitioner assurance reports for compliance with LME rule on Information Barriers Between Warehouse Companies and Trading Companies for the years 2011, 2012, and 2013.

Enclosed are (i) the attestation report prepared by PricewaterhouseCoopers LLP of Metro's information barriers for the period April 1, 2012 to December 31, 2012 conducted pursuant to the LME's Notice 11/334, and (ii) a letter dated July 29, 2013 from the LME regarding the report (bearing production numbers GSPSICOMMODS00004095 – GSPSICOMMODS00004112). No such report was prepared for 2011, and the report for 2013 has not yet been completed.

Request No. 3: As of January 2010 and every six months thereafter, the total number of sheds operated by Metro and the number of those sheds that were LME listed.

Enclosed as Exhibit A is a chart prepared in response to this request (bearing production number GSPSICOMMODS00004113), which contains the total number of sheds operated by Metro in the United States and abroad, including LME-approved sheds (which are identified as such), as of January 1, 2010, June 30, 2010, December 31, 2010, June 30, 2011, December 31, 2011, June 30, 2012, December 31, 2012, June 30, 2013, and December 31, 2013.

Redacted By
Permanent Subcommittee on Investigations

Redacted By The Permanent Subcommittee on Investigations

Request No. 5: In a February 20, 2014 letter, you provided an attachment with a revised table. The second column of SSPSICOMMODS00000002-R produced by Goldman reflects "aluminum readily deliverable" that was held by Goldman Sachs. Please indicate how much aluminum reflected in that column as having been held by Goldman Sachs on "YTD High" and "YTD Low" dates was on-warrant, cancelled, and off warrant, respectively.[3]

The "aluminum readily deliverable" figures in the attachment accompanying our February 20, 2013 letter (at GSPSICOMMODS00000002-R) refer to physical inventory, and all aluminum reflected in the second column of that attachment is off-warrant metal. Goldman Sachs is unable to ascertain what, if any, portion of this off-warrant metal was originated from cancelled warrants through the retrieval of records from centralized, automated sources. In many instances, the metal was involved in several transactions over a period of time, and the systems utilized by Goldman Sachs do not record such historical information in any systematic way. To attempt to identify whether the off-warrant metal originated from cancelled warrants would entail an extremely burdensome, lengthy and manual process. We would appreciate the opportunity to discuss with the Subcommittee the difficulties that we would encounter in attempting to include such information in our response and whether there is other readily accessible information that might be of interest to the Subcommittee.

Request No. 6: For each six-month period between January 2010 and January 2014, the number of warrants associated with aluminum held in a Metro warehouse that were cancelled by Goldman Sachs and the dates on which those warrants were cancelled.

Enclosed as Exhibit C is a chart prepared in response to this request (bearing production number GSPSICOMMODS00004115), which contains the total number of warrants cancelled by Goldman Sachs' affiliates during the requested period for aluminum stored in Metro's sheds located in the United States and abroad and the cancellation dates. Please note that there were no such cancellations in 2010.

---

[3] The letter identified in Question 5 was submitted on February 20, 2013, and the page Question 5 references therein is GSPSICOMMODS00000002-R.

Request No. 7: Goldman physical aluminum holdings by month for the period of September 2012 through September 2013.

Enclosed as Exhibit D is a table prepared in response to this request (bearing production number GSPSICOMMODS00004116). This table provides month-end physical aluminum[4] inventory data for Goldman Sachs' Global Commodities Business Unit, a part of the Firm's Securities Division through which it acts principally as a market maker for derivatives of commodities and conducts related activities. The inventory amounts we provide are the holdings by month for the period September 2012 through September 2013.

We are not providing at this time inventory data for the following groups: (1) Goldman Sachs Asset Management, a group within the Investment Management Division that acts as an advisor to investors that may trade commodities, futures, and derivatives on commodities but rarely, if ever, takes actual delivery of the underlying commodities; (2) Merchant Banking Division, a group that manages private equity funds sponsored by Goldman Sachs and makes investments in a range of companies, including industrial and other companies that may hold inventory in physical commodities in the course of their normal operations; and (3) the Special Situations Group, a group within the Firm's Securities Division that specializes in principal investing and lending and is the primary group within Goldman Sachs that engages in middle-market financing and investing activity. We note that each of these groups is engaged in financing, investing and investment management activities and each is separate from the Firm's Global Commodities Business unit, which as noted above, is the group through which the Firm conducts its core commodities activities. Further, in many instances the investments held by these groups are minority positions in companies in relation to which the Firm does not have direct access to commodity inventory positions. We would, however, appreciate the opportunity to discuss with the Subcommittee the business and activities of these groups and the difficulties and practicalities that we would encounter in attempting to include them within our response.

The inventory amounts recorded in this table reflect the final inventory as of month-end obtained from physical commodity reconciliations as recorded in the Firm's records by Goldman Sachs' Commodities Operations Group. The inventory amounts recorded in this table reflect inventories of physical aluminum held by the Firm in its "Firm" designated accounts.

---

[4] As mentioned above, we have included information relating to aluminum alloy, which constitutes a small portion of the physical inventory for the relevant period.

* * *

Redacted By
Permanent Subcommittee on Investigations

Sincerely,

Abbe David Lowell

Enclosures

cc: Steven R. Peikin, Esq.

EXHIBIT A

PSI Submission, Goldman Sachs - 4.30.14

Exhibit A

Metro Sheds Worldwide

Year	Total Active LME Sheds	Non-LME Sheds	Total Sheds
1-Jan-10	89	0	89
30-Jun-10	99	0	99
31-Dec-10	106	0	106
30-Jun-11	110	0	110
31-Dec-11	116	0	116
30-Jun-12	116	0	116
31-Dec-12	116	0	116
30-Jun-13	107	3	110
31-Dec-13	99	3	102

EXHIBIT B

PSI Submission, Goldman Sachs - 4.30.14

Exhibit B

Metro Sheds Worldwide

Primary Aluminum & NASAAC/Alloy Storage (Metric Tons)

Date	On-Warrant	Cancelled	Off-Warrant
1-Jan-2010	1,410,800	47,600	116,225*
30-Jun-2010	1,508,480	79,180	93,200
31-Dec-2010	1,548,000	76,655	191,375
30-Jun-2011	1,369,742	375,285	165,295
31-Dec-2011	1,568,135	136,770	45,965
30-Jun-2012	944,610	737,275	105,195
31-Dec-2012	628,765	1,088,720	25,195
30-Jun-2013	493,915	1,115,425	107,860
31-Dec-2013	429,145	1,234,665	63,025

* Note: Off-Warrant for 1-Jan-2010 reflects inventory as of 31st January 2010.

EXHIBIT C

PSI Submission, Goldman Sachs - 4.30.14

Exhibit C

Cancel Date	Transaction Type	Commodity	Warrant Quantity (MT)	Warehouse	Location
16-May-11	Warrant Cancellation	Aluminum	7,018	Metro International Trade Services LLC	Mobile
16-May-11	Warrant Cancellation	Aluminum	17,935	Metro International Trade Services LLC	New Orleans
2-Jun-11	Warrant Cancellation	Aluminum	6,966	Metro International Trade Services (UK) Ltd	Gwangyang
3-Jan-12	Warrant Cancellation	Aluminum	125	Metro International Trade Services LLC	New Orleans
26-Mar-12	Warrant Cancellation	Alloy	100	Metro International Trade Services (UK) Ltd	Port Klang
15-May-12	Warrant Cancellation	Aluminum	49,673	Metro International Trade Services LLC	Detroit
16-May-12	Warrant Cancellation	Alloy	139	Metro International Trade Services (UK) Ltd	Gwangyang
9-Jul-12	Warrant Cancellation	Aluminum	28,918	Metro International Trade Services LLC	Detroit
12-Jul-12	Warrant Cancellation	Aluminum	17,232	Metro International Trade Services LLC	Detroit
8-Oct-12	Warrant Cancellation	Nasaac	4,942	Metro International Trade Services LLC	Detroit
16-Oct-12	Warrant Cancellation	Alloy	200	Metro International Trade Services (UK) Ltd	Johor
18-Dec-12	Warrant Cancellation	Aluminum	27,264	Metro International Trade Services LLC	Detroit
20-Dec-12	Warrant Cancellation	Aluminum	99,490	Metro International Trade Services LLC	Detroit
21-Dec-12	Warrant Cancellation	Aluminum	99,443	Metro International Trade Services LLC	Detroit
7-Jan-13	Warrant Cancellation	Aluminum	2,812	Metro International Trade Services (UK) Ltd	Port Klang
9-Jan-13	Warrant Cancellation	Alloy	138	Metro International Trade Services (UK) Ltd	Johor
5-Nov-13	Warrant Cancellation	Aluminum	25	Metro International Trade Services (UK) Ltd	Port Klang
7-Jan-14	Warrant Cancellation	Aluminum	11,907	Metro International Trade Services LLC	Detroit
9-Jan-14	Warrant Cancellation	Aluminum	7,086	Metro International Trade Services LLC	Detroit
14-Jan-14	Warrant Cancellation	Aluminum	1,363	Metro International Trade Services LLC	Detroit
24-Jan-14	Warrant Cancellation	Nasaac	2,013	Metro International Trade Services LLC	Detroit

6 Monthly Periods

Cancel Date	Commodity	Warrant Quantity (MT)
Jan2010-Jun2010	Aluminum	-
Jul2010-Dec2010	Aluminum	-
Jan2011-Jun2011	Aluminum	31,919
Jul2011-Dec2011	Aluminum	-
Jan2012-Jun2012	Aluminum	50,037
Jul2012-Dec2012	Aluminum	277,489
Jan2013-Jun2013	Aluminum	2,950
Jul2013-Dec2013	Aluminum	25
Jan-14	Aluminum	22,368

EXHIBIT D

PSI Submission, Goldman Sachs - 4.30.14

Exhibit D

	Aluminum Warrants[1] [Metric Tons]	Aluminum Readily Deliverable[2] [Metric Tons]
Sept 30th 2012 - unit	106,559	211,227
Sept 30th 2012 - $MV (mm)	239	488
Oct 31st 2012 - unit	141,213	203,268
Oct 31st 2012 - $MV (mm)	284	431
Nov 30th 2012 - unit	149,809	198,983
Nov 30th 2012 - $MV (mm)	329	463
Dec 31st 2012 - unit	1,281,996	219,252
Dec 31st 2012 - $MV (mm)	2,700	517
Jan 31st 2013 - unit	595,927	228,191
Jan 31st 2013 - $MV (mm)	1,240	521
Feb 28th 2013 - unit	590,232	217,227
Feb 28th 2013 - $MV (mm)	1,175	478
Mar 31st 2013 - unit	543,583	290,304
Mar 31st 2013 - $MV (mm)	1,037	615
Apr 30th 2013 - unit	541,309	296,586
Apr 30th 2013 - $MV (mm)	1,009	614
May 31st 2013 - unit	537,554	273,108
May 31st 2013 - $MV (mm)	1,026	580
Jun 30th 2013 - unit	529,179	227,044
Jun 30th 2013 - $MV (mm)	934	456
Jul 31st 2013 - unit	526,982	260,259
Jul 31st 2013 - $MV (mm)	942	525
Aug 31st 2013 - unit	485,329	233,975
Aug 31st 2013 - $MV (mm)	873	469
Sep 30th 2013 - unit	495,414	219,299
Sep 30th 2013 - $MV (mm)	907	449

Footnotes

1) Includes both warrants and cancelled warrants on aluminum and aluminum alloy where related inventory is not deliverable within 30 days.

2) Includes aluminum and aluminum alloy readily deliverable within 30 days.

chadbourne
Chadbourne & Parke LLP
1200 New Hampshire Avenue, NW
Washington, DC 20036
telephone: (202) 974-5600

Abbe David Lowell
direct tel (202) 974-5605
adlowell@chadbourne.com

September 19, 2014

By E-mail

Ms. Elise J. Bean
Permanent Subcommittee on Investigations
Homeland Security & Governmental Affairs Committee
United States Senate
199 Russell Senate Office Building
1st & Constitution, N.E.
Washington, D.C. 20510

Re: Follow-Up Requests

Dear Ms. Bean:

I write on behalf of The Goldman Sachs Group, Inc. ("Goldman Sachs" or the "Firm") in connection with the efforts of the Permanent Subcommittee on Investigations (the "Subcommittee") to better understand the nature and scope of activities of U.S. banks in physical commodities.[1] Goldman Sachs responds to certain requests attached to your email dated September 9, 2014, which we reproduce below for your convenience. We are continuing to work diligently on the remaining requests and will supplement this submission with additional responses next week.

---

[1] The Goldman Sachs Group, Inc. is the Firm's publicly-held parent company. Information relevant to the Subcommittee's requests involves the activities of affiliates controlled by the Firm operating both inside and outside the United States.

Redacted By
Permanent Subcommittee on Investigations

Request No. 6: Please provide financial statements for Nufcor International Ltd. and its related entities for each year from 2010 through 2013.

Enclosed as Exhibit B (bearing production numbers GSPSICOMMODS00046241-80) are Nufcor International Ltd.'s financial statements for 2011, 2012 and 2013. Enclosed as Exhibit C (bearing production numbers GSPSICOMMODS00046281-300) are Nufcor Capital Ltd.'s financial statements for 2011 and 2012. No financial statement for Nufcor Capital Ltd. was prepared for 2013 because this entity is in the process of being dissolved.

Request No. 12: Please confirm that Nufcor's business is being wound down and will be sold or exited upon the fulfillment of its contractual obligations which currently extend to 2018.

We confirm that Nufcor's business is being operated in a "wind-down" mode pursuant to which we are operating only to meet and manage current supply obligations, the last of which are scheduled to occur in 2018.

Request No. 14: Please confirm that, upon acquisition of Nufcor and throughout Goldman's ownership, Nufcor did not own or trade Separative Work Units (SWUs).

We confirm that Nufcor possessed no SWUs at the time Goldman Sachs acquired it and has not owned or traded SWUs since such acquisition.

Redacted By
Permanent Subcommittee on Investigations

Request No. 20: Please provide a brief description of the December 2003 acquisition of power plants from Cogentrix and the subsequent sales of those plants, including the number of power plants involved, the plant locations, and the years of the sales. Please specify how many were coal-fueled plants, and describe the extent to which Cogentrix or Goldman supplied those plants with coal from 2004 to 2012.

Goldman Sachs acquired 100% of the shares of Cogentrix Energy Inc. ("Cogentrix") in December 2003. At the time of the acquisition, Cogentrix owned interests in 24 power plants, 14 of which were coal-fired. Throughout Goldman Sachs' ownership of Cogentrix, Cogentrix employees managed the company's fuel procurement needs. Goldman Sachs did not provide coal to plants owned by Cogentrix during the period in which it had an ownership interest in such plants. Following the initial acquisition by Goldman Sachs in 2003, Cogentrix acquired and disposed of interests in various power plants through different transactions of which two are the most significant. The first, completed in September 2007, involved the sale of 80% of Cogentrix's interests in a portfolio of 14 plants to funds managed by Energy Investors Funds. The residual 20% interest in such portfolio was sold to such funds in May 2011. The second, completed in December 2012, involved the sale of Cogentrix's interest in the remaining portfolio of U.S. plants to funds managed by the Carlyle Group.

Request No. 25. Please confirm that, in March 2011, Coalcorp paid Goldman about $6.2 million to settle claims related to the La Francia mine purchase involving locomotive problems, unpaid import value-added taxes, and real property title issues.

We confirm that in March 2011 Coalcorp paid Goldman Sachs about $6.2 million to settle certain claims relating to the La Francia mine purchase.

Request No. 27: Please provide a copy of the Y-10 filings on Goldman's acquisitions of the La Francia mine and related assets in 2010 and the Hatillo mine and related assets in 2012.

Enclosed as Exhibit D (bearing production numbers GSPSICOMMODS00046301-317) are copies of Y-10 filings relating to Goldman Sachs' acquisitions of the La Francia and Hatillo mines.

Redacted By

Permanent Subcommittee on Investigations

Request No. 29: Please provide financial statements for CNR and its related entities for each year from 2010 through 2013.

Enclosed as Exhibit F (bearing production numbers GSPSICOMMODS00046319-495) are the financial statements for CNR and its related entities for the periods during which we owned them in the applicable time frame. With respect to the financial statement for CNR III Ltd. Sucursal Colombia, please note that it is in Spanish; if you would like an English translation, please let us know and we will prepare one.

Request No. 36: Please confirm that, during 2014, CNR has not exported coal from Colombia due to Colombian port regulations requiring the direct loading of coal onto ships, which has precluded CNR's use of the port it had previously used to export coal.

We confirm that since January 1, 2014, CNR has not exported any coal it produced in Colombia.

Redacted By

Permanent Subcommittee on Investigations

Request No. 41: Please provide copies of any marketing or sales contracts between CNR and any other Goldman-related entity (including J. Aron) regarding the marketing and sales of coal.

Enclosed as Exhibit G (bearing production numbers GSPSICOMMODS00046496-530) are copies of the marketing agreements entered into between CNR entities and J. Aron.

Request No. 42: Please confirm that Goldman Sachs did not inform the Federal Reserve staff of its intention to provide marketing and sales services to CNR prior to its acquisition of CNR or prior to providing those services.

We confirm that we did not discuss with the Federal Reserve staff the intention to act as CNR's agent/broker to market coal under an arrangement in which Goldman Sachs personnel would not assume responsibility for decision making on behalf of the company. As the Federal Reserve noted in promulgating its merchant banking rules, the services specifically listed in the rule are not intended to be a complete list but instead to identify the types of relationships that would not involve routine management. We believe that the commodity brokerage services provided fall within the ambit of permissible services, and we did not seek Federal Reserve review in light of the published guidance.

Request No. 43: Please confirm that Goldman does not own, operate, or possess a major investment in any coal mine outside of Colombia.

We confirm that Goldman Sachs does not operate, possess or own on its balance sheet a major investment in any coal mine other than CNR.

Request No. 50: Please provide the complete names of the Columbian government entities abbreviated by the acronyms ANLA, ANI, and MAVDT.

Set forth below are the complete names of the requested entities:

- ANLA: Autoridad Nacional de Licencias Ambientales (National Environmental Licensing Authority).
- ANI: Agencia Nacional de Infraestructura (National Infrastructure Agency).
- MAVDT: Ministerio de Ambiente, Vivienda, y Desarollo Territorial (Ministry of Environment, Housing, and Territorial Development).

* * *

Redacted By

Permanent Subcommittee on Investigations

Sincerely,

Abbe David Lowell

Enclosures

cc: Mr. Joseph Bryan
Tyler Gellasch, Esq.
Steven R. Peikin, Esq.

chadbourne

Chadbourne & Parke LLP
1200 New Hampshire Avenue, NW
Washington, DC 20036
telephone: (202) 974-5600

Abbe David Lowell
direct tel (202) 974-5605
adlowell@chadbourne.com

October 30, 2014

By E-mail

Tyler Gellasch, Esq.
Permanent Subcommittee on Investigations
Homeland Security & Governmental Affairs Committee
United States Senate
199 Russell Senate Office Building
1st & Constitution, N.E.
Washington, D.C. 20510

Re: Follow-Up Requests

Dear Mr. Gellasch:

I write on behalf of The Goldman Sachs Group, Inc. ("Goldman Sachs" or the "Firm") in connection with the efforts of the Permanent Subcommittee on Investigations (the "Subcommittee") to better understand the nature and scope of activities of U.S. banks in physical commodities.[1] Goldman Sachs and Metro International Trade Services LLC ("Metro") respond to certain requests you have made by email on October 27, 2014 and by telephone, which we reproduce below for your convenience. We are continuing to work diligently on your remaining requests and will supplement this submission with additional responses as soon as possible.

Redacted By
Permanent Subcommittee on Investigations

---

[1] The Goldman Sachs Group, Inc. is the Firm's publicly-held parent company. Information relevant to the Subcommittee's requests involves the activities of affiliates controlled by the Firm operating both inside and outside the United States.

Page(s) Redacted By The Permanent Subcommittee on Investigation

Supplemental Coal Request No. 1: Provide details in connection with a labor dispute identified in a financial statement for CNR produced by Goldman Sachs to the Subcommittee and state whether the financial statement is a public document.

During our interview with the Subcommittee on September 5, 2014, we discussed the fact that production at the La Francia mine was suspended as a result of a dispute between CNR and the company it contracted to perform mining operations, CMC.

In January 2013, CMC ceased providing operational services and vacated the La Francia mine site, causing CNR to suspend production at La Francia. Certain CMC employees, who had been left without work as a result of CMC's abandonment, remained on the premises of La Francia. CNR consulted local authorities to seek assistance in having the individuals leave the mine site. In addition, other individuals—believed by CNR to be relatives of the individuals on the La Francia premises—occupied the quarters used by employees of the CNR affiliate that owns the El Hatillo mine. This caused the CNR affiliate to incur costs to provide alternative housing for its employees.

Ultimately, CNR, working with the Ministries of Labor and Mining and local government authorities, resolved the situation with the former CMC employees in July 2013. As part of this resolution, CNR made settlement payments of COP20 million (~US$10,000) each to 120 individuals.[2] These payments were made by checks issued by CNR to the relevant individuals. The Ministry of Labor verified the identity of the individuals and their status as former employees of CMC.

The CNR financial statement at issue is not a public document.

* * *

We wish to stress that certain information included in this submission in response to the requests by the Subcommittee did not previously exist in this form. Goldman Sachs and Metro used various technology and manual resources to generate such information. While Goldman Sachs and Metro believe that the information contained in this letter and documents enclosed with this letter are reasonably accurate, Goldman Sachs and Metro cannot make an absolute representation that they are complete or that there were not some inadvertent errors in their preparation. We will provide further updates or corrections if we determine that corrections are warranted.

---

[2] The CNR financial statement incorrectly converted the COP20 million (Colombian peso) to be valued at US$20,000. The accurate value in US dollars is US$10,000.

Redacted By
Permanent Subcommittee on Investigations

Sincerely,

Abbe David Lowell

Enclosures

cc: Elise J. Bean, Esq.
Mr. Joseph Bryan
Steven R. Peikin, Esq.

harbor aluminum

beyond industry intelligence

HARBOR's estimated aluminum load-out waiting time in LME D

Date	Calendar Days
4-Jan-10	44
5-Jan-10	44
6-Jan-10	43
7-Jan-10	42
8-Jan-10	41
11-Jan-10	41
12-Jan-10	40
13-Jan-10	39
14-Jan-10	38
15-Jan-10	37
18-Jan-10	37
19-Jan-10	37
20-Jan-10	37
21-Jan-10	37
22-Jan-10	36
25-Jan-10	35
26-Jan-10	35
27-Jan-10	34
28-Jan-10	33
29-Jan-10	32
1-Feb-10	31
2-Feb-10	31
3-Feb-10	30
4-Feb-10	29
5-Feb-10	29
8-Feb-10	33
9-Feb-10	34
10-Feb-10	33
11-Feb-10	32
12-Feb-10	32
15-Feb-10	31
16-Feb-10	40
17-Feb-10	40
18-Feb-10	41
19-Feb-10	40
22-Feb-10	40

IMPORTANT NOTES

Terms and Conditions: By reading and using this re "Subscriber" or "Client") acknowledge and agree to t found in our website: harboraluminum.com

Disclaimer: This report is presented for informational intended to be a comprehensive or detailed statement and no representations or warranties, express or im accuracy, timeliness or completeness. Nothing in this c provide financial, legal, accounting or tax advice nor Neither HARBOR nor the author is liable whatsoever caused by, or resulting from, any use of or any inaccura the information provided.

All rights reserved: HARBOR Aluminum Intelligence Uni this publication may be photocopied, reproduced, r computer system or otherwise redistributed without HARBOR. For further subscription information please c +1 (210) 568-7705 or veronica.medina@askharbor.c Intelligence Unit LLC. 8601 RR 2222, B3 Suite 270 Austin,

23-Feb-10	39
24-Feb-10	44
25-Feb-10	43
26-Feb-10	42
1-Mar-10	42
2-Mar-10	42
3-Mar-10	41
4-Mar-10	48
5-Mar-10	47
8-Mar-10	49
9-Mar-10	57
10-Mar-10	56
11-Mar-10	56
12-Mar-10	56
15-Mar-10	57
16-Mar-10	79
17-Mar-10	79
18-Mar-10	78
19-Mar-10	77
22-Mar-10	77
23-Mar-10	76
24-Mar-10	75
25-Mar-10	74
26-Mar-10	74
29-Mar-10	73
30-Mar-10	74
31-Mar-10	73
1-Apr-10	71
6-Apr-10	70
7-Apr-10	78
8-Apr-10	77
9-Apr-10	76
12-Apr-10	75
13-Apr-10	74
14-Apr-10	74
15-Apr-10	76
16-Apr-10	75
19-Apr-10	74
20-Apr-10	73
21-Apr-10	72
22-Apr-10	71
23-Apr-10	74
26-Apr-10	73
27-Apr-10	72
28-Apr-10	70
29-Apr-10	69
30-Apr-10	68

4-May-10	73
5-May-10	70
6-May-10	69
7-May-10	68
10-May-10	73
11-May-10	72
12-May-10	76
13-May-10	81
14-May-10	80
17-May-10	79
18-May-10	75
19-May-10	74
20-May-10	73
21-May-10	73
24-May-10	72
25-May-10	71
26-May-10	70
27-May-10	69
28-May-10	68
1-Jun-10	67
2-Jun-10	65
3-Jun-10	64
4-Jun-10	62
7-Jun-10	61
8-Jun-10	60
9-Jun-10	58
10-Jun-10	58
11-Jun-10	60
14-Jun-10	74
15-Jun-10	73
16-Jun-10	72
17-Jun-10	70
18-Jun-10	72
21-Jun-10	79
22-Jun-10	82
23-Jun-10	81
24-Jun-10	80
25-Jun-10	79
28-Jun-10	78
29-Jun-10	76
30-Jun-10	76
1-Jul-10	74
2-Jul-10	73
5-Jul-10	71
6-Jul-10	70
7-Jul-10	76
8-Jul-10	74

9-Jul-10	73
12-Jul-10	73
13-Jul-10	75
14-Jul-10	74
15-Jul-10	73
16-Jul-10	72
19-Jul-10	71
20-Jul-10	70
21-Jul-10	69
22-Jul-10	68
23-Jul-10	69
26-Jul-10	68
27-Jul-10	67
28-Jul-10	65
29-Jul-10	64
30-Jul-10	64
2-Aug-10	63
3-Aug-10	61
4-Aug-10	60
5-Aug-10	59
6-Aug-10	58
9-Aug-10	57
10-Aug-10	56
11-Aug-10	56
12-Aug-10	54
13-Aug-10	62
16-Aug-10	61
17-Aug-10	60
18-Aug-10	58
19-Aug-10	57
20-Aug-10	35
23-Aug-10	34
24-Aug-10	32
25-Aug-10	31
26-Aug-10	29
27-Aug-10	0
31-Aug-10	0
1-Sep-10	0
2-Sep-10	0
3-Sep-10	0
6-Sep-10	0
7-Sep-10	0
8-Sep-10	0
9-Sep-10	0
10-Sep-10	0
13-Sep-10	0
14-Sep-10	0

15-Sep-10	0
16-Sep-10	0
17-Sep-10	0
20-Sep-10	116
21-Sep-10	115
22-Sep-10	118
23-Sep-10	117
24-Sep-10	116
27-Sep-10	116
28-Sep-10	115
29-Sep-10	114
30-Sep-10	113
1-Oct-10	112
4-Oct-10	111
5-Oct-10	110
6-Oct-10	108
7-Oct-10	107
8-Oct-10	106
11-Oct-10	106
12-Oct-10	104
13-Oct-10	104
14-Oct-10	103
15-Oct-10	102
18-Oct-10	101
19-Oct-10	99
20-Oct-10	98
21-Oct-10	97
22-Oct-10	95
25-Oct-10	94
26-Oct-10	93
27-Oct-10	92
28-Oct-10	90
29-Oct-10	107
1-Nov-10	106
2-Nov-10	104
3-Nov-10	108
4-Nov-10	106
5-Nov-10	105
8-Nov-10	103
9-Nov-10	102
10-Nov-10	101
11-Nov-10	99
12-Nov-10	98
15-Nov-10	98
16-Nov-10	96
17-Nov-10	95
18-Nov-10	93

19-Nov-10	92
22-Nov-10	90
23-Nov-10	89
24-Nov-10	88
25-Nov-10	87
26-Nov-10	85
29-Nov-10	85
30-Nov-10	85
1-Dec-10	84
2-Dec-10	83
3-Dec-10	81
6-Dec-10	80
7-Dec-10	78
8-Dec-10	77
9-Dec-10	83
10-Dec-10	81
13-Dec-10	80
14-Dec-10	78
15-Dec-10	78
16-Dec-10	76
17-Dec-10	75
20-Dec-10	74
21-Dec-10	72
22-Dec-10	72
23-Dec-10	72
24-Dec-10	72
29-Dec-10	72
30-Dec-10	71
31-Dec-10	70
4-Jan-11	70
5-Jan-11	69
6-Jan-11	68
7-Jan-11	0
10-Jan-11	0
11-Jan-11	0
12-Jan-11	0
13-Jan-11	0
14-Jan-11	0
17-Jan-11	0
18-Jan-11	31
19-Jan-11	32
20-Jan-11	31
21-Jan-11	30
24-Jan-11	29
25-Jan-11	28
26-Jan-11	27
27-Jan-11	26

28-Jan-11	25
31-Jan-11	29
1-Feb-11	28
2-Feb-11	28
3-Feb-11	32
4-Feb-11	74
7-Feb-11	73
8-Feb-11	72
9-Feb-11	71
10-Feb-11	70
11-Feb-11	116
14-Feb-11	162
15-Feb-11	161
16-Feb-11	160
17-Feb-11	159
18-Feb-11	158
21-Feb-11	157
22-Feb-11	156
23-Feb-11	156
24-Feb-11	155
25-Feb-11	153
28-Feb-11	152
1-Mar-11	151
2-Mar-11	150
3-Mar-11	149
4-Mar-11	148
7-Mar-11	168
8-Mar-11	189
9-Mar-11	188
10-Mar-11	187
11-Mar-11	185
14-Mar-11	189
15-Mar-11	188
16-Mar-11	187
17-Mar-11	186
18-Mar-11	184
21-Mar-11	184
22-Mar-11	191
23-Mar-11	189
24-Mar-11	188
25-Mar-11	187
28-Mar-11	197
29-Mar-11	196
30-Mar-11	194
31-Mar-11	193
1-Apr-11	191
4-Apr-11	190

5-Apr-11	208
6-Apr-11	216
7-Apr-11	214
8-Apr-11	213
11-Apr-11	222
12-Apr-11	221
13-Apr-11	254
14-Apr-11	271
15-Apr-11	270
18-Apr-11	269
19-Apr-11	280
20-Apr-11	289
21-Apr-11	288
26-Apr-11	286
27-Apr-11	283
28-Apr-11	282
3-May-11	281
4-May-11	277
5-May-11	275
6-May-11	274
9-May-11	272
10-May-11	271
11-May-11	269
12-May-11	268
13-May-11	267
16-May-11	265
17-May-11	247
18-May-11	245
19-May-11	244
20-May-11	243
23-May-11	241
24-May-11	240
25-May-11	238
26-May-11	237
27-May-11	236
31-May-11	234
1-Jun-11	233
2-Jun-11	231
3-Jun-11	230
6-Jun-11	229
7-Jun-11	227
8-Jun-11	226
9-Jun-11	224
10-Jun-11	223
13-Jun-11	222
14-Jun-11	220
15-Jun-11	219

16-Jun-11	217
17-Jun-11	216
20-Jun-11	214
21-Jun-11	213
22-Jun-11	212
23-Jun-11	210
24-Jun-11	209
27-Jun-11	207
28-Jun-11	206
29-Jun-11	205
30-Jun-11	203
1-Jul-11	202
4-Jul-11	200
5-Jul-11	199
6-Jul-11	199
7-Jul-11	198
8-Jul-11	196
11-Jul-11	195
12-Jul-11	193
13-Jul-11	192
14-Jul-11	191
15-Jul-11	190
18-Jul-11	188
19-Jul-11	187
20-Jul-11	185
21-Jul-11	184
22-Jul-11	183
25-Jul-11	181
26-Jul-11	180
27-Jul-11	179
28-Jul-11	177
29-Jul-11	176
1-Aug-11	174
2-Aug-11	173
3-Aug-11	171
4-Aug-11	170
5-Aug-11	169
8-Aug-11	167
9-Aug-11	166
10-Aug-11	164
11-Aug-11	163
12-Aug-11	162
15-Aug-11	161
16-Aug-11	159
17-Aug-11	158
18-Aug-11	156
19-Aug-11	186

22-Aug-11	184
23-Aug-11	183
24-Aug-11	182
25-Aug-11	180
26-Aug-11	179
30-Aug-11	178
31-Aug-11	198
1-Sep-11	197
2-Sep-11	195
5-Sep-11	194
6-Sep-11	193
7-Sep-11	193
8-Sep-11	191
9-Sep-11	190
12-Sep-11	189
13-Sep-11	187
14-Sep-11	187
15-Sep-11	185
16-Sep-11	183
19-Sep-11	182
20-Sep-11	181
21-Sep-11	180
22-Sep-11	178
23-Sep-11	177
26-Sep-11	176
27-Sep-11	174
28-Sep-11	173
29-Sep-11	171
30-Sep-11	170
3-Oct-11	169
4-Oct-11	168
5-Oct-11	166
6-Oct-11	165
7-Oct-11	164
10-Oct-11	162
11-Oct-11	161
12-Oct-11	161
13-Oct-11	160
14-Oct-11	159
17-Oct-11	159
18-Oct-11	158
19-Oct-11	158
20-Oct-11	157
21-Oct-11	156
24-Oct-11	155
25-Oct-11	155
26-Oct-11	153

27-Oct-11	152
28-Oct-11	150
31-Oct-11	150
1-Nov-11	148
2-Nov-11	147
3-Nov-11	146
4-Nov-11	144
7-Nov-11	143
8-Nov-11	141
9-Nov-11	139
10-Nov-11	138
11-Nov-11	137
14-Nov-11	135
15-Nov-11	135
16-Nov-11	134
17-Nov-11	132
18-Nov-11	131
21-Nov-11	130
22-Nov-11	129
23-Nov-11	128
24-Nov-11	126
25-Nov-11	125
28-Nov-11	125
29-Nov-11	125
30-Nov-11	124
1-Dec-11	122
2-Dec-11	121
5-Dec-11	119
6-Dec-11	117
7-Dec-11	115
8-Dec-11	114
9-Dec-11	113
12-Dec-11	111
13-Dec-11	109
14-Dec-11	108
15-Dec-11	107
16-Dec-11	106
19-Dec-11	104
20-Dec-11	103
21-Dec-11	102
22-Dec-11	101
23-Dec-11	122
28-Dec-11	121
29-Dec-11	119
30-Dec-11	118
3-Jan-12	117
4-Jan-12	115

5-Jan-12	114
6-Jan-12	113
9-Jan-12	158
10-Jan-12	157
11-Jan-12	155
12-Jan-12	154
13-Jan-12	157
16-Jan-12	157
17-Jan-12	168
18-Jan-12	167
19-Jan-12	171
20-Jan-12	216
23-Jan-12	217
24-Jan-12	216
25-Jan-12	214
26-Jan-12	213
27-Jan-12	212
30-Jan-12	211
31-Jan-12	210
1-Feb-12	208
2-Feb-12	230
3-Feb-12	252
6-Feb-12	251
7-Feb-12	249
8-Feb-12	259
9-Feb-12	258
10-Feb-12	256
13-Feb-12	255
14-Feb-12	253
15-Feb-12	252
16-Feb-12	251
17-Feb-12	249
20-Feb-12	248
21-Feb-12	268
22-Feb-12	267
23-Feb-12	266
24-Feb-12	278
27-Feb-12	277
28-Feb-12	275
29-Feb-12	297
1-Mar-12	296
2-Mar-12	295
5-Mar-12	293
6-Mar-12	292
7-Mar-12	290
8-Mar-12	301
9-Mar-12	314

12-Mar-12	313
13-Mar-12	312
14-Mar-12	310
15-Mar-12	309
16-Mar-12	307
19-Mar-12	306
20-Mar-12	305
21-Mar-12	303
22-Mar-12	302
23-Mar-12	301
26-Mar-12	299
27-Mar-12	298
28-Mar-12	296
29-Mar-12	295
30-Mar-12	294
2-Apr-12	292
3-Apr-12	291
4-Apr-12	289
5-Apr-12	288
10-Apr-12	287
11-Apr-12	285
12-Apr-12	284
13-Apr-12	282
16-Apr-12	281
17-Apr-12	298
18-Apr-12	297
19-Apr-12	296
20-Apr-12	294
23-Apr-12	293
24-Apr-12	291
25-Apr-12	290
26-Apr-12	289
27-Apr-12	287
30-Apr-12	286
1-May-12	284
2-May-12	283
3-May-12	282
4-May-12	286
8-May-12	285
9-May-12	283
10-May-12	286
11-May-12	285
14-May-12	284
15-May-12	282
16-May-12	305
17-May-12	317
18-May-12	325

21-May-12	324
22-May-12	337
23-May-12	335
24-May-12	334
25-May-12	332
28-May-12	331
29-May-12	329
30-May-12	328
31-May-12	327
1-Jun-12	325
6-Jun-12	324
7-Jun-12	322
8-Jun-12	321
11-Jun-12	325
12-Jun-12	324
13-Jun-12	322
14-Jun-12	363
15-Jun-12	362
18-Jun-12	361
19-Jun-12	359
20-Jun-12	358
21-Jun-12	357
22-Jun-12	355
25-Jun-12	354
26-Jun-12	358
27-Jun-12	357
28-Jun-12	356
29-Jun-12	354
2-Jul-12	353
3-Jul-12	358
4-Jul-12	357
5-Jul-12	356
6-Jul-12	354
9-Jul-12	357
10-Jul-12	356
11-Jul-12	368
12-Jul-12	367
13-Jul-12	373
16-Jul-12	372
17-Jul-12	371
18-Jul-12	369
19-Jul-12	368
20-Jul-12	367
23-Jul-12	365
24-Jul-12	364
25-Jul-12	362
26-Jul-12	361

27-Jul-12	360
30-Jul-12	358
31-Jul-12	357
1-Aug-12	357
2-Aug-12	356
3-Aug-12	354
6-Aug-12	353
7-Aug-12	351
8-Aug-12	350
9-Aug-12	349
10-Aug-12	347
13-Aug-12	348
14-Aug-12	347
15-Aug-12	346
16-Aug-12	344
17-Aug-12	343
20-Aug-12	341
21-Aug-12	340
22-Aug-12	339
23-Aug-12	338
24-Aug-12	336
28-Aug-12	335
29-Aug-12	333
30-Aug-12	332
31-Aug-12	331
3-Sep-12	329
4-Sep-12	328
5-Sep-12	326
6-Sep-12	325
7-Sep-12	324
10-Sep-12	322
11-Sep-12	321
12-Sep-12	319
13-Sep-12	318
14-Sep-12	317
17-Sep-12	315
18-Sep-12	301
19-Sep-12	300
20-Sep-12	298
21-Sep-12	297
24-Sep-12	295
25-Sep-12	294
26-Sep-12	292
27-Sep-12	291
28-Sep-12	290
1-Oct-12	288
2-Oct-12	287

3-Oct-12	286
4-Oct-12	285
5-Oct-12	284
8-Oct-12	282
9-Oct-12	281
10-Oct-12	279
11-Oct-12	278
12-Oct-12	277
15-Oct-12	275
16-Oct-12	274
17-Oct-12	272
18-Oct-12	318
19-Oct-12	316
22-Oct-12	315
23-Oct-12	321
24-Oct-12	320
25-Oct-12	318
26-Oct-12	317
29-Oct-12	315
30-Oct-12	314
31-Oct-12	313
1-Nov-12	311
2-Nov-12	310
5-Nov-12	308
6-Nov-12	307
7-Nov-12	306
8-Nov-12	304
9-Nov-12	323
12-Nov-12	376
13-Nov-12	386
14-Nov-12	385
15-Nov-12	383
16-Nov-12	382
19-Nov-12	380
20-Nov-12	379
21-Nov-12	378
22-Nov-12	376
23-Nov-12	375
26-Nov-12	373
27-Nov-12	360
28-Nov-12	359
29-Nov-12	358
30-Nov-12	356
3-Dec-12	355
4-Dec-12	353
5-Dec-12	352
6-Dec-12	351

7-Dec-12	349
10-Dec-12	348
11-Dec-12	346
12-Dec-12	345
13-Dec-12	344
14-Dec-12	342
17-Dec-12	341
18-Dec-12	339
19-Dec-12	316
20-Dec-12	323
21-Dec-12	321
24-Dec-12	414
27-Dec-12	465
28-Dec-12	498
31-Dec-12	496
2-Jan-13	495
3-Jan-13	494
4-Jan-13	492
7-Jan-13	491
8-Jan-13	489
9-Jan-13	488
10-Jan-13	487
11-Jan-13	485
14-Jan-13	484
15-Jan-13	482
16-Jan-13	481
17-Jan-13	480
18-Jan-13	480
21-Jan-13	478
22-Jan-13	477
23-Jan-13	475
24-Jan-13	474
25-Jan-13	473
28-Jan-13	471
29-Jan-13	470
30-Jan-13	468
31-Jan-13	467
1-Feb-13	466
4-Feb-13	464
5-Feb-13	463
6-Feb-13	461
7-Feb-13	460
8-Feb-13	459
11-Feb-13	457
12-Feb-13	456
13-Feb-13	454
14-Feb-13	453

15-Feb-13	452
18-Feb-13	450
19-Feb-13	449
20-Feb-13	447
21-Feb-13	446
22-Feb-13	445
25-Feb-13	443
26-Feb-13	442
27-Feb-13	440
28-Feb-13	439
1-Mar-13	438
4-Mar-13	436
5-Mar-13	435
6-Mar-13	433
7-Mar-13	432
8-Mar-13	431
11-Mar-13	429
12-Mar-13	428
13-Mar-13	426
14-Mar-13	425
15-Mar-13	424
18-Mar-13	422
19-Mar-13	421
20-Mar-13	419
21-Mar-13	418
22-Mar-13	417
25-Mar-13	415
26-Mar-13	414
27-Mar-13	412
28-Mar-13	411
2-Apr-13	410
3-Apr-13	408
4-Apr-13	407
5-Apr-13	405
8-Apr-13	404
9-Apr-13	403
10-Apr-13	401
11-Apr-13	400
12-Apr-13	410
15-Apr-13	414
16-Apr-13	413
17-Apr-13	411
18-Apr-13	410
19-Apr-13	408
22-Apr-13	407
23-Apr-13	448
24-Apr-13	447

25-Apr-13	446
26-Apr-13	444
29-Apr-13	443
30-Apr-13	441
1-May-13	440
2-May-13	439
3-May-13	458
7-May-13	456
8-May-13	455
9-May-13	454
10-May-13	452
13-May-13	451
14-May-13	449
15-May-13	448
16-May-13	447
17-May-13	445
20-May-13	444
21-May-13	456
22-May-13	454
23-May-13	453
24-May-13	452
28-May-13	458
29-May-13	456
30-May-13	455
31-May-13	453
3-Jun-13	463
4-Jun-13	461
5-Jun-13	460
6-Jun-13	459
7-Jun-13	457
10-Jun-13	456
11-Jun-13	454
12-Jun-13	453
13-Jun-13	452
14-Jun-13	450
17-Jun-13	449
18-Jun-13	472
19-Jun-13	496
20-Jun-13	495
21-Jun-13	493
24-Jun-13	492
25-Jun-13	495
26-Jun-13	493
27-Jun-13	492
28-Jun-13	512
1-Jul-13	511
2-Jul-13	509

3-Jul-13	508
4-Jul-13	507
5-Jul-13	505
8-Jul-13	504
9-Jul-13	502
10-Jul-13	501
11-Jul-13	489
12-Jul-13	487
15-Jul-13	486
16-Jul-13	485
17-Jul-13	486
18-Jul-13	485
19-Jul-13	466
22-Jul-13	465
23-Jul-13	463
24-Jul-13	462
25-Jul-13	460
26-Jul-13	459
29-Jul-13	458
30-Jul-13	456
31-Jul-13	455
1-Aug-13	453
2-Aug-13	452
5-Aug-13	451
6-Aug-13	449
7-Aug-13	448
8-Aug-13	446
9-Aug-13	445
12-Aug-13	444
13-Aug-13	442
14-Aug-13	441
15-Aug-13	439
16-Aug-13	438
19-Aug-13	437
20-Aug-13	435
21-Aug-13	434
22-Aug-13	432
23-Aug-13	431
27-Aug-13	430
28-Aug-13	428
29-Aug-13	427
30-Aug-13	425
2-Sep-13	424
3-Sep-13	423
4-Sep-13	421
5-Sep-13	420
6-Sep-13	418

9-Sep-13	417
10-Sep-13	416
11-Sep-13	414
12-Sep-13	413
13-Sep-13	411
16-Sep-13	410
17-Sep-13	409
18-Sep-13	407
19-Sep-13	406
20-Sep-13	404
23-Sep-13	403
24-Sep-13	402
25-Sep-13	400
26-Sep-13	399
27-Sep-13	397
30-Sep-13	396
1-Oct-13	395
2-Oct-13	393
3-Oct-13	392
4-Oct-13	390
7-Oct-13	389
8-Oct-13	388
9-Oct-13	386
10-Oct-13	385
11-Oct-13	383
14-Oct-13	382
15-Oct-13	381
16-Oct-13	386
17-Oct-13	413
18-Oct-13	431
21-Oct-13	467
22-Oct-13	513
23-Oct-13	512
24-Oct-13	534
25-Oct-13	533
28-Oct-13	531
29-Oct-13	530
30-Oct-13	529
31-Oct-13	527
1-Nov-13	526
4-Nov-13	524
5-Nov-13	523
6-Nov-13	525
7-Nov-13	524
8-Nov-13	522
11-Nov-13	521
12-Nov-13	522

13-Nov-13	521
14-Nov-13	519
15-Nov-13	518
18-Nov-13	517
19-Nov-13	515
20-Nov-13	514
21-Nov-13	512
22-Nov-13	511
25-Nov-13	510
26-Nov-13	508
27-Nov-13	507
28-Nov-13	505
29-Nov-13	504
2-Dec-13	527
3-Dec-13	529
4-Dec-13	570
5-Dec-13	572
6-Dec-13	619
9-Dec-13	618
10-Dec-13	617
11-Dec-13	618
12-Dec-13	630
13-Dec-13	629
16-Dec-13	641
17-Dec-13	640
18-Dec-13	637
19-Dec-13	635
20-Dec-13	634
23-Dec-13	632
24-Dec-13	627
27-Dec-13	625
30-Dec-13	624
31-Dec-13	622
2-Jan-14	621
3-Jan-14	620
6-Jan-14	618
7-Jan-14	617
8-Jan-14	622
9-Jan-14	621
10-Jan-14	619
13-Jan-14	641
14-Jan-14	641
15-Jan-14	643
16-Jan-14	642
17-Jan-14	641
20-Jan-14	639
21-Jan-14	638

22-Jan-14	636
23-Jan-14	635
24-Jan-14	634
27-Jan-14	632
28-Jan-14	631
29-Jan-14	629
30-Jan-14	628
31-Jan-14	627
3-Feb-14	625
4-Feb-14	624
5-Feb-14	622
6-Feb-14	621
7-Feb-14	620
10-Feb-14	618
11-Feb-14	617
12-Feb-14	615
13-Feb-14	614
14-Feb-14	613
17-Feb-14	611
18-Feb-14	610
19-Feb-14	608
20-Feb-14	607
21-Feb-14	606
24-Feb-14	604
25-Feb-14	603
26-Feb-14	601
27-Feb-14	600
28-Feb-14	599
3-Mar-14	597
4-Mar-14	596
5-Mar-14	601
6-Mar-14	600
7-Mar-14	598
10-Mar-14	597
11-Mar-14	595
12-Mar-14	594
13-Mar-14	593
14-Mar-14	591
17-Mar-14	590
18-Mar-14	590
19-Mar-14	589
20-Mar-14	588
21-Mar-14	614
24-Mar-14	616
25-Mar-14	614
26-Mar-14	613
27-Mar-14	612

28-Mar-14	610
31-Mar-14	609
1-Apr-14	607
2-Apr-14	606
3-Apr-14	611
4-Apr-14	618
7-Apr-14	617
8-Apr-14	616
9-Apr-14	642
10-Apr-14	641
11-Apr-14	640
14-Apr-14	646
15-Apr-14	645
16-Apr-14	643
17-Apr-14	642
22-Apr-14	640
23-Apr-14	639
24-Apr-14	650
25-Apr-14	649
28-Apr-14	658
29-Apr-14	656
30-Apr-14	655
1-May-14	654
2-May-14	652
6-May-14	651
7-May-14	652
8-May-14	650
9-May-14	651
12-May-14	649
13-May-14	648
14-May-14	647
15-May-14	645
16-May-14	647
19-May-14	646
20-May-14	645
21-May-14	643
22-May-14	657
23-May-14	655
27-May-14	662
28-May-14	674
29-May-14	673
30-May-14	672
2-Jun-14	670
3-Jun-14	669
4-Jun-14	667
5-Jun-14	666
6-Jun-14	665

9-Jun-14	663
10-Jun-14	662
11-Jun-14	660
12-Jun-14	659
13-Jun-14	658
16-Jun-14	656
17-Jun-14	655
18-Jun-14	653
19-Jun-14	652
20-Jun-14	656
23-Jun-14	661
24-Jun-14	661
25-Jun-14	660
26-Jun-14	659
27-Jun-14	657
30-Jun-14	656
1-Jul-14	654
2-Jul-14	653
3-Jul-14	652
4-Jul-14	650
7-Jul-14	649
8-Jul-14	647
9-Jul-14	646
10-Jul-14	645
11-Jul-14	643
14-Jul-14	642
15-Jul-14	640
16-Jul-14	639
17-Jul-14	638
18-Jul-14	636
21-Jul-14	635
22-Jul-14	633
23-Jul-14	632
24-Jul-14	631
25-Jul-14	629
28-Jul-14	628
29-Jul-14	626
30-Jul-14	625
31-Jul-14	624
1-Aug-14	624
4-Aug-14	623
5-Aug-14	622
6-Aug-14	620
7-Aug-14	619
8-Aug-14	617
11-Aug-14	616
12-Aug-14	615

13-Aug-14	613
14-Aug-14	612
15-Aug-14	610
18-Aug-14	609
19-Aug-14	608
20-Aug-14	606
21-Aug-14	605
22-Aug-14	603
26-Aug-14	602
27-Aug-14	601
28-Aug-14	599
29-Aug-14	598
1-Sep-14	596
2-Sep-14	595
3-Sep-14	594
4-Sep-14	592
5-Sep-14	591
8-Sep-14	589
9-Sep-14	588
10-Sep-14	587
11-Sep-14	585
12-Sep-14	584
15-Sep-14	583
16-Sep-14	581
17-Sep-14	580
18-Sep-14	579
19-Sep-14	577
22-Sep-14	576
23-Sep-14	574
24-Sep-14	573
25-Sep-14	653
26-Sep-14	652

Source: *HARBOR Aluminum* with *LME* data

Akin Gump
STRAUSS HAUER & FELD LLP

STEVEN R. ROSS
202.887.4343/fax: 202.887.4288
sross@akingump.com

September 10, 2013

VIA HAND DELIVERY

The Honorable Carl Levin
Chairman
Permanent Subcommittee on Investigations
Committee on Homeland Security & Government Affairs
United States Senate
Russell Senate Office Building, SR-199
Washington, DC 20510

Re: JPMorgan Chase & Co's Sixth Response to January 11, 2013 Questionnaire

Dear Chairman Levin:

On behalf of JPMorgan Chase & Co ("J.P.Morgan"), I write in further response to your questionnaire dated January 11, 2013 ("Questionnaire"). Today's submission constitutes J.P.Morgan's sixth response and includes the balance of information and data responsive to the Questionnaire, including responses to Section I, "Physical Commodity Inventories and Revenues," Question 5, and Section II, "Physical Commodity Business Activities," Questions 6, 7, 9, and 10. Responses to the specific questions are as follows:

Redacted By The Permanent Subcommittee on Investigations

Question 6: As stated in the response to Question 3, J.P.Morgan conducts a customer-driven commodity derivatives and commodities financial intermediation business. These physical commodities that J.P.Morgan holds are related to that customer business and are often the most economical and efficient way for J.P.Morgan to manage its risks. Please note that this response (and the specific information provided below) relates to physical commodities held by J.P.Morgan's Global Commodities Group ("GCG") from 2008 through the end of the second quarter of 2012.

A.

Cocoa:	J.P.Morgan has purchased and sold cocoa in connection with its risk management of derivatives transactions, including forward contracts, referencing cocoa. J.P.Morgan does not act as a dealer or market-maker in cocoa. The markets involved are NYSE London International Financial Futures and Options Exchange ("NYSE Liffe") and IntercontinentalExchange ("ICE") Futures US. Please see the response to Question 2 for volumes.
Coffee:	J.P.Morgan has purchased and sold coffee in connection with its risk management of derivatives transactions, including forward contracts, referencing coffee. J.P.Morgan does not act as a dealer or market-maker in coffee. The market involved is the ICE Futures US. Please see the response to Question 2 for volumes.
Aluminum:	J.P.Morgan has purchased and sold aluminum in connection with its risk management of derivatives transactions, including forward contracts, referencing aluminum. J.P.Morgan does not act as a dealer or market-maker in aluminum. The markets involved are the London Metal Exchange ("LME") and the global spot market for aluminum. Please see the response to Question 2 for volumes.
Copper:	J.P.Morgan has purchased and sold copper in connection with its risk management of derivatives transactions, including forward contracts, referencing copper and also in its capacity as a dealer of and market-maker in bullion, defined from a bank regulatory standpoint to be comprised of copper, gold, silver, platinum and palladium. The markets involved are the LME, CME Group, COMEX Division and the global spot market for bullion. Please see the response to Question 2 for volumes.
Gold:	J.P.Morgan has purchased and sold gold in connection with its risk management of derivatives transactions, including forward contracts, referencing gold and also in its capacity as a dealer of and market-maker in bullion, defined from a bank regulatory standpoint to be comprised of copper, gold, silver, platinum and palladium. The markets involved are the wholesale spot market for gold, which is global but centered in London, and CME Group, COMEX Division. Please see the response to Question 2 for volumes.

Lead:	J.P.Morgan has purchased and sold lead in connection with its risk management of derivatives transactions, including forward contracts, referencing lead. J.P.Morgan does not act as a dealer or market-maker in lead. The markets involved are the LME and the global spot market for lead. Please see the response to Question 2 for volumes.
Nickel:	J.P.Morgan has purchased and sold nickel in connection with its risk management of derivatives transactions, including forward contracts, referencing nickel. J.P.Morgan does not act as a dealer or market-maker in nickel. The markets involved are the LME and the global spot market for nickel. Please see the response to Question 2 for volumes.
Palladium:	J.P.Morgan has purchased and sold palladium in connection with its risk management of derivatives transactions, including forward contracts, referencing palladium and also in its capacity as a dealer of and market-maker in bullion, defined from a bank regulatory standpoint to be comprised of copper, gold, silver, platinum and palladium. The markets involved are the London Platinum and Palladium Market, CME Group, NYMEX Division and the global spot market for bullion. Please see the response to Question 2 for volumes.
Platinum:	J.P.Morgan has purchased and sold platinum in connection with its risk management of derivatives transactions, including forward contracts, referencing platinum and also in its capacity as a dealer of and market-maker in bullion, defined from a bank regulatory standpoint to be comprised of copper, gold, silver, platinum and palladium. The markets involved are the London Platinum and Palladium Market, CME Group, NYMEX Division and the global spot market for bullion. Please see the response to Question 2 for volumes.
Silver:	J.P.Morgan has purchased and sold silver in connection with its risk management of derivatives transactions, including forward contracts, referencing silver and also in its capacity as a dealer of and market-maker in bullion, defined from a bank regulatory standpoint to be comprised of copper, gold, silver, platinum and palladium. The markets involved are the wholesale spot market for silver, which is global but centered in London, and CME Group, COMEX Division. Please see the response to Question 2 for volumes.

Tin:	J.P.Morgan has purchased and sold tin in connection with its risk management of derivatives transactions, including forward contracts, referencing tin. J.P.Morgan does not act as a dealer or market-maker in tin. The markets involved are the LME and the global spot market for tin. Please see the response to Question 2 for volumes.
Zinc:	J.P.Morgan has purchased and sold zinc in connection with its risk management of derivatives transactions, including forward contracts, referencing zinc. J.P.Morgan does not act as a dealer or market-maker in zinc. The markets involved are the LME and the global spot market for zinc. Please see the response to Question 2 for volumes.
Coal:	J.P.Morgan has purchased and sold coal in connection with its risk management of derivatives transactions, including forward contracts, referencing coal. J.P.Morgan does not act as a dealer or market-maker in coal. The markets involved are ICE Futures Europe, CME Group, NYMEX Division and the global spot market for coal. Please see the response to Question 2 for volumes.
Crude Oil:	J.P.Morgan has purchased and sold crude oil (all benchmarks) in connection with its risk management of derivatives transactions, including forward contracts, referencing crude oil. J.P.Morgan does not act as a dealer or market-maker in crude oil. The markets involved are ICE Futures Europe, CME Group, NYMEX Division and the global spot market for crude oil. Please see the response to Question 2 for volumes.
Electricity:	J.P.Morgan has purchased and sold electricity in connection with its activities as a wholesale power marketer in the United States and its risk management of derivatives transactions, including forward contracts, referencing electricity and also in its capacity as a dealer of and market-maker in electricity. The markets involved are those operated by regional transmission organizations ("RTOs") in the United States, bilateral wholesale electricity markets (non-RTO) in the United States, ICE Futures US, and grid operators in Europe. As electricity cannot be stored, J.P.Morgan does not hold electricity as a physical commodity. Please see the response to Question 16 for information regarding J.P.Morgan's electricity tolling agreements.

Heating Oil:	J.P.Morgan has purchased and sold heating oil in connection with its risk management of derivatives transactions, including forward contracts, referencing heating oil. J.P.Morgan does not act as a dealer or market-maker in heating oil. The markets involved are CME Group, NYMEX Division and the United States spot market for heating oil. Please see the response to Question 2 for volumes.
Gasoline:	J.P.Morgan has purchased and sold gasoline in connection with its risk management of derivatives transactions, including forward contracts, referencing gasoline. J.P.Morgan does not act as a dealer or market-maker in gasoline. The markets involved are CME Group, NYMEX Division and the global spot market for gasoline. Please see the response to Question 2 for volumes.
Jet Kerosene:	J.P.Morgan has purchased and sold jet kerosene in connection with its risk management of derivatives transactions, including forward contracts, referencing jet kerosene. J.P.Morgan does not act as a dealer or market-maker in jet kerosene. The markets involved are CME Group, NYMEX Division and the global spot market for jet kerosene. Please see the response to Question 2 for volumes.
Natural Gas:	J.P.Morgan has purchased and sold natural gas in connection with its risk management of derivatives transactions, including forward contracts, referencing natural gas, its risk management of power plant tolling agreements and in its capacity as a dealer of and market-maker in natural gas. The markets involved are ICE Futures US, CME Group, NYMEX Division and the global spot market for natural gas. Please see the response to Question 2 for volumes.

B.

During the specified timeframe, J.P.Morgan has leased warehousing, storage and transport from third parties in connection with the storage and transport of the commodities that it has purchased and sold. In addition, on July 1, 2010, J.P.Morgan acquired Henry Bath & Son Limited ("Henry Bath"). Henry Bath is a company registered in the United Kingdom that is approved and licensed by the LME to operate warehouses to store the following commodities traded on the LME: copper, aluminum, aluminum alloy, nickel, tin, lead, zinc and steel billet. Henry Bath does not own any warehouse facilities and does not control any company that owns warehouse facilities. All Henry Bath warehouse facilities are leased from third parties. Henry Bath enters into separate service agreements with third party warehouse operators that perform the warehousing functions necessary for Henry Bath to satisfy its obligations to the LME and customers who store commodities at the warehouses. As of June 30, 2012, the LME warehouses of Henry Bath held approximately 1,110,000 metric tons of LME metals worldwide. In addition to its LME warehouses, Henry Bath operates a limited number of warehouses licensed by NYSE Liffe or ICE Futures US for the storage of coffee and cocoa on exchange-traded bearer warrants. As of June 30, 2012, Henry Bath held approximately 4,500 metric tons of coffee and 17,000 metric tons of cocoa pursuant to NYSE Liffe or ICE Futures US warrants at its warehouses worldwide. Please refer to the response to Question 12 for additional information regarding Henry Bath's facilities.

In addition, Henry Bath also provides a limited number of incidental services customary to operating LME warehouses to customers who store commodities at its warehouses. As an accommodation to customers, it is customary for operators of LME warehouses to provide storage for commodities not on warrant and Henry Bath does so. As of June 30, 2012, of the 1,110,000 metric tons of metals held by Henry Bath at its warehouses worldwide, 733,000 metric tons of metals were not on warrant. Although Henry Bath does not engage in transportation of commodities, Henry Bath will, at the request of a customer, assist the customer in arranging logistical or transportation services from third party companies with respect to commodities stored at its LME warehouses. These ancillary services are provided solely to Henry Bath warehouse customers in connection with commodities delivered to or from Henry Bath warehouses and support Henry Bath's core business of LME warehousing.[1]

Also during the specified time frame, J.P.Morgan, through its wholly owned subsidiary JPMorgan Chase Bank, N.A. ("JPMCB"), has owned and operated facilities for the storage of gold, silver, platinum and palladium for customers in London, New York and Singapore. JPMCB is registered with COMEX as an approved repository for these metals.

Redacted By The Permanent Subcommittee on Investigations

C.

J.P.Morgan hires third parties to blend heating oil, jet kerosene and gasoline. Blending, in general terms, is the amalgamation of two or more different grades of a commodity to derive a grade that conforms to specific standards of countries, regions or customers. For example, within an oil barrel are a number of different grades/specifications in crude oil, heating oil, diesel, and gasoline. Some of the key differing characteristics of these grades are physical properties such as density, sulfur content, flash point, viscosity, distillation, cloud point and filter plugging point. Because of different environmental regulations, every country has its own version of diesel, gasoline, heating oil or fuel oil specification. For instance, Russian gasoil does not meet U.S. heating oil standards and needs to be blended with kerosene to achieve U.S.-approved quality. Similarly, U.S. diesel does not meet European specifications. Hence, in order for J.P.Morgan to participate in the flow of refined product across different countries and regions and thus meet customer demand, it contracts with third parties to blend on its behalf.

---

[1] For example, Henry Bath may arrange for the transfer of goods from a vessel at the discharge port to the Henry Bath warehouse, trucking or railing of goods from the warehouse to a destination specified by the warehouse client, and, in some cases, the shipment of goods by sea container from a Henry Bath warehouse through to a final destination. In all instances, the actual shipping of goods is accomplished by a third party under contract between the customer and the transportation company or under subcontract between Henry Bath and the transportation company.

Except for the blending by third parties described above, and the power plant tolling agreements identified in response to Question 16, J.P.Morgan has not been directly or indirectly involved in the processing or production of the commodities identified in response to Question 2.

Question 7: As discussed in the responses to Questions 3 and 6, J.P.Morgan conducts a customer-driven commodity derivatives and commodities financial intermediation business, providing its clients with risk management solutions for their commodity exposures. To manage the market risk of derivatives transactions entered into with clients, J.P.Morgan at times holds physical commodities in inventory. These physical hedges are often the most economical and efficient way for J.P.Morgan to manage its risks. All of the physical commodity holdings that J.P.Morgan has are related to its customer business. J.P.Morgan does not take directional, proprietary positions in any physical commodities; rather, all physical positions that it holds are hedged by forward contracts.

In addition, for certain commodities identified in response to Question 6, principally bullion, electricity and natural gas, J.P.Morgan may act as a market-maker in the physical markets. In its capacity as a market-maker, J.P.Morgan can take market positions, including physical inventory positions, in anticipation of customer business and in order for J.P.Morgan to offer competitive pricing to its clients. All positions taken as a market-maker are within market risk limits that apply to those books. Market-making requires J.P.Morgan to show competitive bids and offers to clients at a time of the client's choosing, in size and underlying physical commodity, meeting the client's risk management requirements regardless of prevailing market conditions and liquidity. These client requirements are not always predictable, and this requires market-making traders to regularly carry positions that they believe will enable them to accommodate potential client demands competitively and profitably. Market-making can require the warehousing of illiquid risk elements over a period of time, and market risk limits are sized to ensure that positioning is proportionate to existing and anticipated client activity.

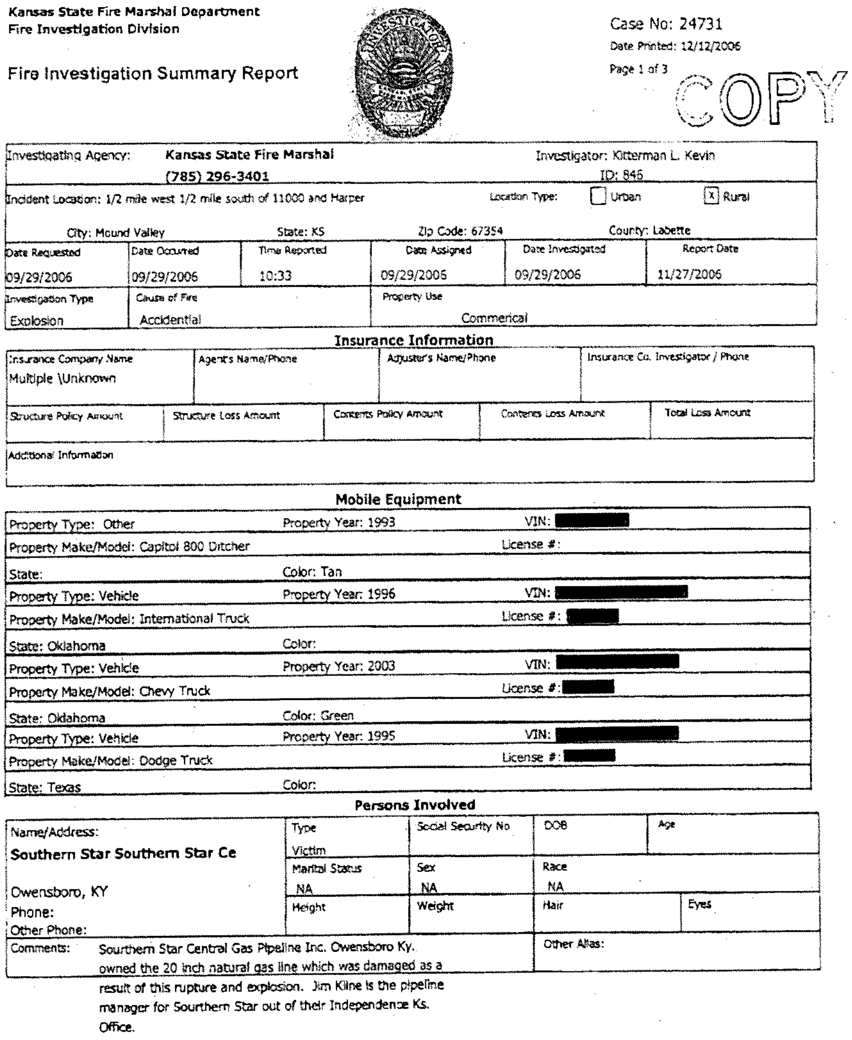
Page(s) Redacted By The Permanent Subcommittee on Investigation

Sincerely,

Steven R. Ross
Counsel for JPMorgan Chase & Co

cc: The Honorable John McCain, Ranking Member

Page(s) Redacted By The Permanent Subcommittee on Investigation



Kansas State Fire Marshal Department
Fire Investigation Division

Fire Investigation Summary Report

Case No: 24731
Date Printed: 12/12/2006
Page 1 of 3

COPY

Investigating Agency: **Kansas State Fire Marshal** **(785) 296-3401**	Investigator: Kitterman L. Kevin ID: 846

Incident Location: 1/2 mile west 1/2 mile south of 11000 and Harper
Location Type: ☐ Urban ☒ Rural
City: Mound Valley State: KS Zip Code: 67354 County: Labette

Date Requested	Date Occurred	Time Reported	Date Assigned	Date Investigated	Report Date
09/29/2006	09/29/2006	10:33	09/29/2006	09/29/2006	11/27/2006

Investigation Type	Cause of Fire	Property Use
Explosion	Accidental	Commerical

Insurance Information

Insurance Company Name	Agent's Name/Phone	Adjuster's Name/Phone	Insurance Co. Investigator / Phone
Multiple \Unknown			

Structure Policy Amount	Structure Loss Amount	Contents Policy Amount	Contents Loss Amount	Total Loss Amount

Additional Information

Mobile Equipment

Property Type: Other Property Year: 1993 VIN: [redacted]
Property Make/Model: Capitol 800 Ditcher License #:
State: Color: Tan
Property Type: Vehicle Property Year: 1996 VIN: [redacted]
Property Make/Model: International Truck License #: [redacted]
State: Oklahoma Color:
Property Type: Vehicle Property Year: 2003 VIN: [redacted]
Property Make/Model: Chevy Truck License #: [redacted]
State: Oklahoma Color: Green
Property Type: Vehicle Property Year: 1995 VIN: [redacted]
Property Make/Model: Dodge Truck License #: [redacted]
State: Texas Color:

Persons Involved

Name/Address:
Southern Star Southern Star Ce

Owensboro, KY
Phone:
Other Phone:

Type	Social Security No	DOB	Age
Victim			

Marital Status	Sex	Race
NA	NA	NA

Height	Weight	Hair	Eyes

Comments: Sourthern Star Central Gas Pipeline Inc. Owensboro Ky. owned the 20 inch natural gas line which was damaged as a result of this rupture and explosion. Jim Kline is the pipeline manager for Sourthern Star out of their Independence Ks. Office.

Other Alias:

Kansas State Fire Marshal Department
Fire Investigation Division

Fire Investigation Summary Report

Case No: 24731
Date Printed: 12/12/2006
Page 2 of 3

Name/Address: **Jack F**[redacted] [redacted] Holdenville, Oklahoma Phone: Other Phone:	Type Victim	Social Security No [redacted]	DOB [redacted]1936	Age 70
	Marital Status Married	Sex Male	Race White	
	Height	Weight	Hair	Eyes
Comments: Fatality Victim of explosion/fire.			Other Alias:	

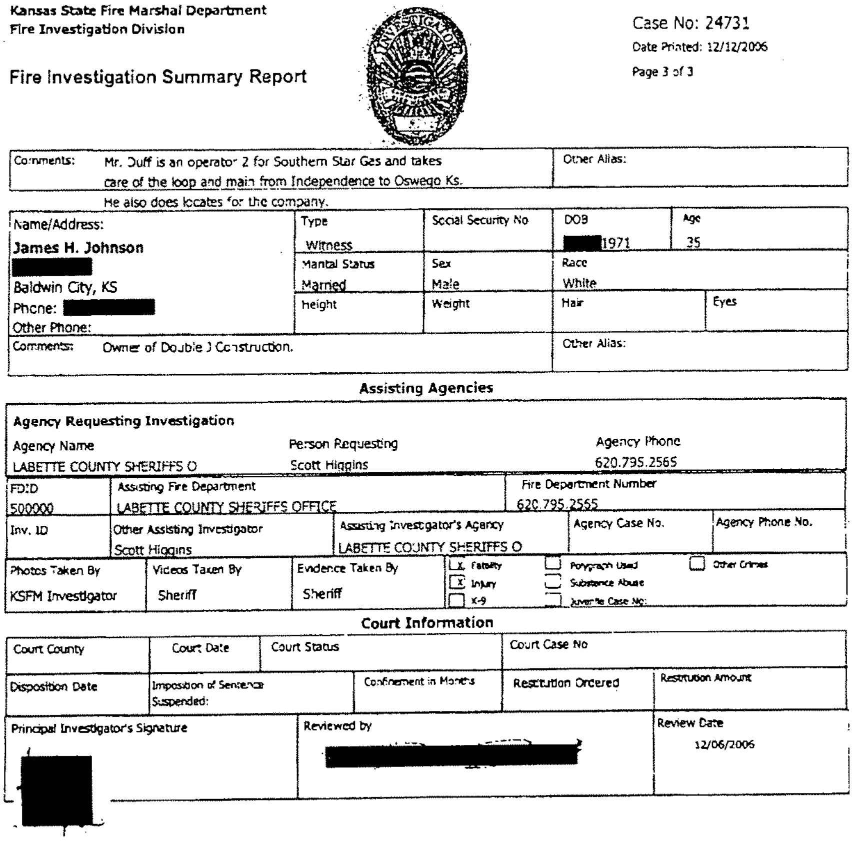
Name/Address: **Raymond Thorne Woolard** [redacted] Talihina, Oklahoma Phone: 405-[redacted] Other Phone:	Type Victim	Social Security No	DOB [redacted]1962	Age 44
	Marital Status Married	Sex Male	Race White	
	Height	Weight	Hair	Eyes
Comments: Sup. for Double J Construction.			Other Alias:	

Name/Address: **Juan Manuel Gonzales** [redacted] Austin, Texas Phone: Other Phone:	Type Victim	Social Security No	DOB [redacted]1956	Age 50
	Marital Status NA	Sex Male	Race Hispanic	
	Height	Weight	Hair	Eyes
Comments: Operator of Ditching unit for Double M Construction at time of accident. He survived with minor scratch on his face.			Other Alias: Johnny Gonzales	

Name/Address: **Michael Meadors** [redacted] Okemah, Oklahoma Phone: 918-[redacted] Other Phone: 918[redacted]	Type Victim	Social Security No	DOB [redacted]1951	Age 55
	Marital Status NA	Sex Male	Race White	
	Height	Weight	Hair	Eyes
Comments: Owner of Double M Construction.			Other Alias:	

Name/Address: **Jame L. Kline** [redacted] Indpendence, KS Phone: 620-[redacted] Other Phone:	Type Victim	Social Security No	DOB [redacted]/1946	Age 60
	Marital Status Married	Sex Male	Race White	
	Height	Weight	Hair	Eyes
Comments: Manager for Southern Star Central Gas Pipeline Inc.			Other Alias:	

Name/Address: **Daniel Walton Duff** 485 28 Road Peru, KS Phone: 918[redacted] Other Phone: 620[redacted]	Type Victim	Social Security No	DOB [redacted]/1979	Age 27
	Marital Status Married	Sex Male	Race White	
	Height	Weight	Hair	Eyes



Kansas State Fire Marshal Department
Fire Investigation Division

Fire Investigation Summary Report

Case No: 24731
Date Printed: 12/12/2006
Page 3 of 3

Comments: Mr. Duff is an operator 2 for Southern Star Gas and takes care of the loop and main from Independence to Oswego Ks. He also does locates for the company.	Other Alias:

Name/Address: **James H. Johnson** [redacted] Baldwin City, KS Phone: [redacted] Other Phone:	Type Witness	Social Security No	DOB [redacted]1971	Age 35
	Marital Status Married	Sex Male	Race White	
	Height	Weight	Hair	Eyes
Comments: Owner of Double J Construction.			Other Alias:	

Assisting Agencies

Agency Requesting Investigation

Agency Name	Person Requesting	Agency Phone
LABETTE COUNTY SHERIFFS O	Scott Higgins	620.795.2565

FDID	Assisting Fire Department	Fire Department Number
500000	LABETTE COUNTY SHERIFFS OFFICE	620.795.2565

Inv. ID	Other Assisting Investigator	Assisting Investigator's Agency	Agency Case No.	Agency Phone No.
	Scott Higgins	LABETTE COUNTY SHERIFFS O		

Photos Taken By	Videos Taken By	Evidence Taken By			
KSFM Investigator	Sheriff	Sheriff	☒ Fatality ☒ Injury ☐ K-9	☐ Polygraph Used ☐ Substance Abuse ☐ Juvenile Case No:	☐ Other Crimes

Court Information

Court County	Court Date	Court Status	Court Case No

Disposition Date	Imposition of Sentence Suspended:	Confinement in Months	Restitution Ordered	Restitution Amount

Principal Investigator's Signature	Reviewed by	Review Date
[redacted]	[redacted]	12/06/2006

JACK ALEXANDER
FIRE MARSHAL

KANSAS

KATHLEEN SEBELIUS
GOVERNOR

OFFICE OF THE KANSAS STATE FIRE MARSHAL

KANSAS ARSON INVESTIGATION SYSTEM
FIRE INVESTIGATION NARRATIVE REPORT

Case No: 24731 **Investigator's ID:** 846 **Investigator's Name:** Kitterman L, Kevin

Date of Occurrence: 09/29/2006 **Investigation Date:** 09/29/2006 **Report Date:** 11/27/2006

Incident Address: 1/2 mile west 1/2 mile south of 11000 and Harper, Mound Valley, KS 67354

NOTIFICATION:

I received this assignment at 10:39 a.m. on September 29 2006 from the Labette County Sheriff's Department. I was advised of a natural gas line explosion in the area of 1100 and Harper, which is in Labette County Ks.

I advised the dispatcher center that I would be enroute to the explosion. As I was enroute to the explosion scene, I overheard radio reports of at least one person missing at the explosion site.

The explosion was reported VIA 911 at approximately 10:33 a.m. The 911 center received multiple 911 calls reporting the explosion.

Upon my arrival at 11000 and Harper Rd. I met with Labette County Sheriff's Department personnel. I was advised the initial information revealed that a trenching unit had ruptured a 20" gas main and subsequent to that rupture an explosion and fire had occurred. I was further advised that the company who was performing the trenching was Double M Construction of Okemah Oklahoma. They reportedly were subcontracted to Double J Construction Co. of Baldwin City Ks. Double J Construction was hired by Admiral Bay Recourses Inc. of Centennial Colorado who operates several natural gas wells in the area of the explosion to trench and installed new 8" plastic natural gas lines on this lease property. The land where the explosion occurred belonged to Orlyn Bennett. Southern Star Central Gas Pipeline Co. out of Owensboro Ky. owns the gas line, which was ruptured. This pipeline is locally supervised out of their Independence Ks. office. Jim Kline is the local manager of the pipeline and he was on scene upon my arrival.

I was advised the operator of the trenching unit was **JUAN GONZALES** who had been interviewed prior to my arrival by Labette County Detective Scott Higgins. His report of interview is enclosed with this report and should be reviewed for details.

I was further informed that Jack F[redacted] was a worker for Double M Construction Co. who was on foot in the area at the time of the explosion. Mr. F[redacted] was not accounted for upon my arrival at the explosion.

WEATHER:

The weather on 09/29/06 was mostly clear with an approximate temperature of 66 degrees and wind out of the south at about 19 mph with gusts up to 26 mph at the time of the explosion.

JUAN GONZALES:

After speaking with Detective Higgins I had further questions of Juan Gonzales who was operating the trencher at the time the natural gas line was ruptured.

Upon speaking with Juan AKA Johnny Gonzales, he informed me he is employed by Double M Construction. He is the trench operator and runs an 800 Capital Trencher unit which is a large unit weighing approximately 145,000 to 150,000 pounds.

Mr. Gonzales advised me that Ray Woolard who is the job superintendent for Double J Construction was the person who showed him and Jack F[redacted] where to start and stop trenching. He further stated that he knew that Ray Woolard had contacted Kansas One Call, but did not know when that was done.

He told me that this was their fourth day of trenching in this mile section.

He stated that he set his trencher in on a line of trees on the north side of where two natural gas lines ran through the property. This according to Ray Woolard was to have been clear of the gas lines.

He informed me that his grade (specified digging depth) was set by Jack F[redacted]. He had only dug a short time when he heard the gas line rupture and his trencher lifted and shook. He immediately knew he had hit the gas line and reports he shut the "chain" portion of the trencher off. When he attempted to shut the engine off it would not shut down. He then ran off the back catwalk of the trencher, jumped off the trencher, yelling at Jack F[redacted], his co-worker and ran to the north away from the trencher. He estimated he got about 1,000 feet away before the explosion occurred. He states he last observed Jack F[redacted] standing on the ground on the left side of his trencher. He did not think Jack could hear him yelling due to the noise the gas leak was making.

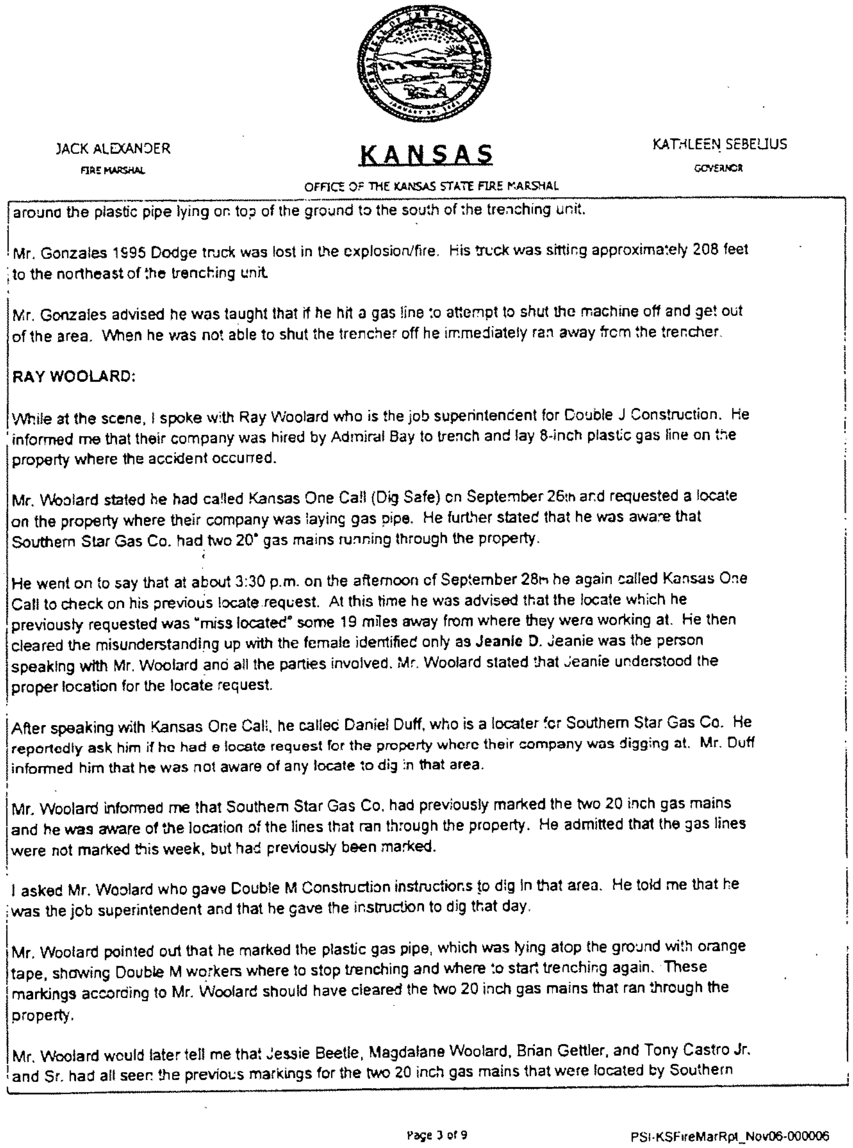
He advised me that just he and Jack F[redacted] were working in the area of the trencher when the accident occurred. They had been working in this mile section for about four days prior to the accident.

I asked him if he had ever hit a line before. He told me that 6 or 7 years ago, he hit a large gas line in Drumright Oklahoma; however, there was no explosion or fire.

I then asked him whose job it was to contact Kansas One Call. He advised me that he was told by Ray Woolard that he had taken care of those calls, as they were working for Double J Construction on this job.

According to Gonzales, Ray Woolard had wrapped reflective tape around the pipe that was lying above the ground showing him where to start and stop trenching. He informed me he was following those indicators as his guide as to where to conduct his trenching operations.

Mr. Gonzales would later accompany me and other investigators into the explosion scene and show us where he stopped trenching and started trenching again. There was a piece of bright orange tape wrapped



around the plastic pipe lying on top of the ground to the south of the trenching unit.

Mr. Gonzales 1995 Dodge truck was lost in the explosion/fire. His truck was sitting approximately 208 feet to the northeast of the trenching unit.

Mr. Gonzales advised he was taught that if he hit a gas line to attempt to shut the machine off and get out of the area. When he was not able to shut the trencher off he immediately ran away from the trencher.

RAY WOOLARD:

While at the scene, I spoke with Ray Woolard who is the job superintendent for Double J Construction. He informed me that their company was hired by Admiral Bay to trench and lay 8-inch plastic gas line on the property where the accident occurred.

Mr. Woolard stated he had called Kansas One Call (Dig Safe) on September 26th and requested a locate on the property where their company was laying gas pipe. He further stated that he was aware that Southern Star Gas Co. had two 20" gas mains running through the property.

He went on to say that at about 3:30 p.m. on the afternoon of September 28th he again called Kansas One Call to check on his previous locate request. At this time he was advised that the locate which he previously requested was "miss located" some 19 miles away from where they were working at. He then cleared the misunderstanding up with the female identified only as **Jeanie D.** Jeanie was the person speaking with Mr. Woolard and all the parties involved. Mr. Woolard stated that Jeanie understood the proper location for the locate request.

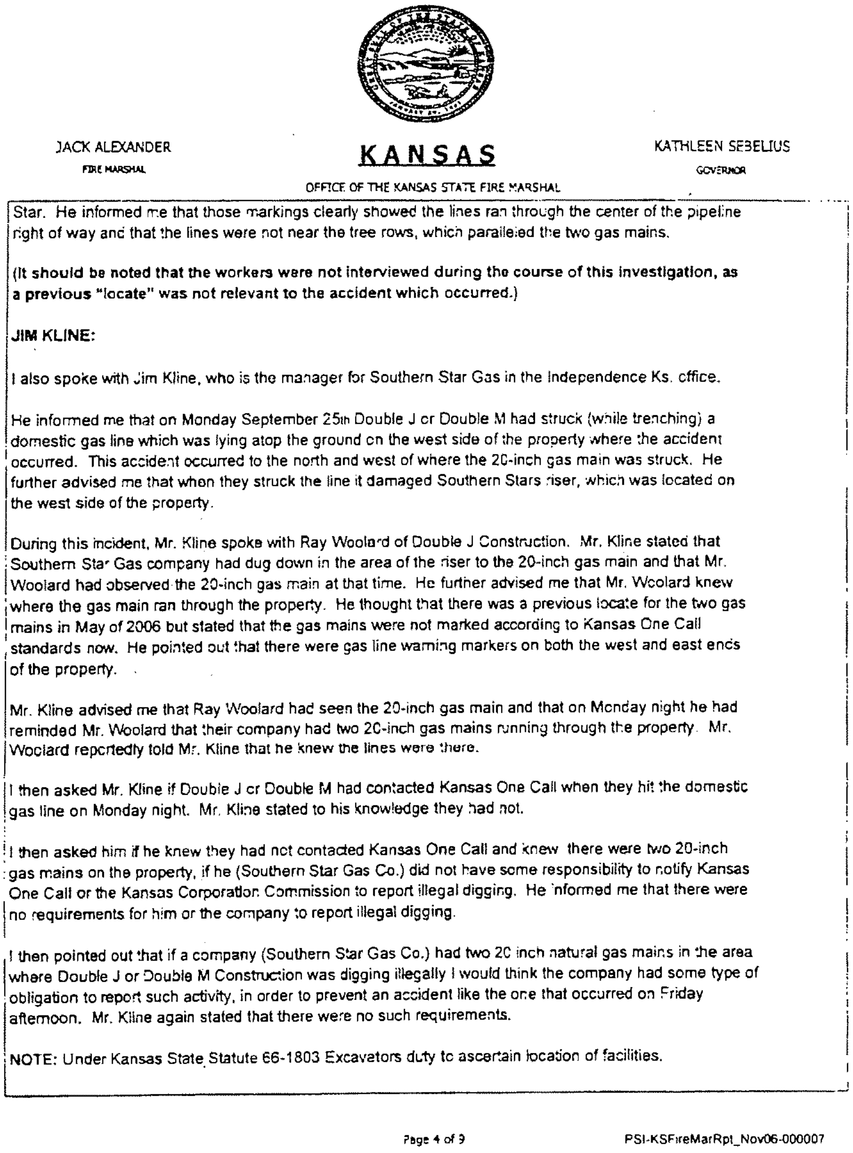
After speaking with Kansas One Call, he called Daniel Duff, who is a locater for Southern Star Gas Co. He reportedly ask him if he had a locate request for the property where their company was digging at. Mr. Duff informed him that he was not aware of any locate to dig in that area.

Mr. Woolard informed me that Southern Star Gas Co. had previously marked the two 20 inch gas mains and he was aware of the location of the lines that ran through the property. He admitted that the gas lines were not marked this week, but had previously been marked.

I asked Mr. Woolard who gave Double M Construction instructions to dig in that area. He told me that he was the job superintendent and that he gave the instruction to dig that day.

Mr. Woolard pointed out that he marked the plastic gas pipe, which was lying atop the ground with orange tape, showing Double M workers where to stop trenching and where to start trenching again. These markings according to Mr. Woolard should have cleared the two 20 inch gas mains that ran through the property.

Mr. Woolard would later tell me that Jessie Beetle, Magdalane Woolard, Brian Gettler, and Tony Castro Jr. and Sr. had all seen the previous markings for the two 20 inch gas mains that were located by Southern



Star. He informed me that those markings clearly showed the lines ran through the center of the pipeline right of way and that the lines were not near the tree rows, which paralleled the two gas mains.

(It should be noted that the workers were not interviewed during the course of this investigation, as a previous "locate" was not relevant to the accident which occurred.)

JIM KLINE:

I also spoke with Jim Kline, who is the manager for Southern Star Gas in the Independence Ks. office.

He informed me that on Monday September 25th Double J or Double M had struck (while trenching) a domestic gas line which was lying atop the ground on the west side of the property where the accident occurred. This accident occurred to the north and west of where the 20-inch gas main was struck. He further advised me that when they struck the line it damaged Southern Stars riser, which was located on the west side of the property.

During this incident, Mr. Kline spoke with Ray Woolard of Double J Construction. Mr. Kline stated that Southern Star Gas company had dug down in the area of the riser to the 20-inch gas main and that Mr. Woolard had observed the 20-inch gas main at that time. He further advised me that Mr. Woolard knew where the gas main ran through the property. He thought that there was a previous locate for the two gas mains in May of 2006 but stated that the gas mains were not marked according to Kansas One Call standards now. He pointed out that there were gas line warning markers on both the west and east ends of the property.

Mr. Kline advised me that Ray Woolard had seen the 20-inch gas main and that on Monday night he had reminded Mr. Woolard that their company had two 20-inch gas mains running through the property. Mr. Woolard reportedly told Mr. Kline that he knew the lines were there.

I then asked Mr. Kline if Double J or Double M had contacted Kansas One Call when they hit the domestic gas line on Monday night. Mr. Kline stated to his knowledge they had not.

I then asked him if he knew they had not contacted Kansas One Call and knew there were two 20-inch gas mains on the property, if he (Southern Star Gas Co.) did not have some responsibility to notify Kansas One Call or the Kansas Corporation Commission to report illegal digging. He informed me that there were no requirements for him or the company to report illegal digging.

I then pointed out that if a company (Southern Star Gas Co.) had two 20 inch natural gas mains in the area where Double J or Double M Construction was digging illegally I would think the company had some type of obligation to report such activity, in order to prevent an accident like the one that occurred on Friday afternoon. Mr. Kline again stated that there were no such requirements.

NOTE: Under Kansas State Statute 66-1803 Excavators duty to ascertain location of facilities.

An excavator shall not engage in excavation near the location of any underground facility without first having ascertained, in the manner prescribed in this act, a location of all underground facilities in the proposed area of the excavation.

KCC Pipeline Safety Inspector Bill Haislip later advised me that neither Double J or Double M Construction had filed any Intent to dig with Kansas One Call on the Monday incident where they struck this domestic gas line, and subsequently damaged Southern Star's riser in the process.

Kansas State Statute 66-1801 – 66-1814 requires anyone who engages in any type of excavation to provide advance notice of at least two full working days, but not more than 15 calendar days, excluding weekends and holidays.

Kansas Once Call was developed to provide excavators and the general public with the ability to inform multiple owners of underground facilities of intended excavation with just one phone call.

Kansas One Call is the communication link between the excavator and the underground facility owner.

Daniel Walton Duff:

I spoke with Daniel Duff who is an operator 2 with Southern Star Gas Co. He advised me that he takes care of the loop and main line from Independence Ks. to Oswego Ks. He stated he does locates on the line and performs maintenance on the line.

He informed me that in May of 2006 there had been a locate request called in by Brian Gettler with Admiral Bay from Gray Rd. to Irving Rd. in Labette County Ks. He advised that he had met with Brian Gettler and had preformed that locate, according to the locate request.

He stated that he was aware that Admiral Bay was going to cross their two 20 inch gas mains in two locations. During the May marking he performed he advised me that he had marked the two 20 inch gas mains from Harper Road to the ½-mile fence between Harper and Gray Roads. He advised he marked the lines with Yellow Southern Star High Pressure Gas line marker flags. He further stated he placed a flag about every 50 feet along the line and that it was clearly marked at that time.

He told me that the last time he was in this area was in May of 2006 when he previously marked the lines.

He did say that there were some trees on top of the gas lines and some trees just to the north of the line when he performed the marking in May of 2006.

He also noted that he had a strong signal when he located the line in May of 2006.

Mr. Duff confirmed that he got a call from Ray Woolard yesterday, September 28th 2006 at 3:36 p.m. Mr. Woolard asked him if he had a locate for their gas lines between Harper and Gray Roads. Mr. Duff stated he told Mr. Woolard that he did not have a locate for that location.

At 4:03 p.m. he got another call from Mr. Woolard. During this conversation he was told that Kansas One Call had mistakenly got his (Woolards) request mis-located some 19 miles from where he requested the locate. Mr. Woolard reportedly told Duff that he had placed another locate request and said it would not be due until Tuesday.

Mr. Duff again told me that he knew Double J was going to cross their 20-inch gas mains in two places and set up a meeting with Woolard for Tuesday to have someone locate the lines.

Mr. Duff provided the phone number that Woolard called him from as being 405[redacted].

SCENE EXAMINATION:

Due to the size of the gas line involved in this fire/explosion, Southern Star Gas Co. had to shut off valves to the line and allow the gas line to burn out. Once the gas line had burned down to a point where the fire department could access the fire scene Chris Way lead the initial fire team into the area.

The first in team extinguished spot fires and located the body of Jack Foran. Mr. Foran's body was located in a trench to the north of the trenching unit. The body was not moved.

Before Investigators accessed the scene, I personally escorted Larry Swanson a measurement specialist with Southern Star Gas Co. into the fire scene to determine if it was safe to access the area. Jim Kline with Southern Star Gas Co. instructed Mr. Swanson to accompany me into the scene.

He viewed the gas line rupture and subsequent fire scene and determined the area was safe for Investigators to access. The ruptured line was still burning off a small amount of natural gas at this time.

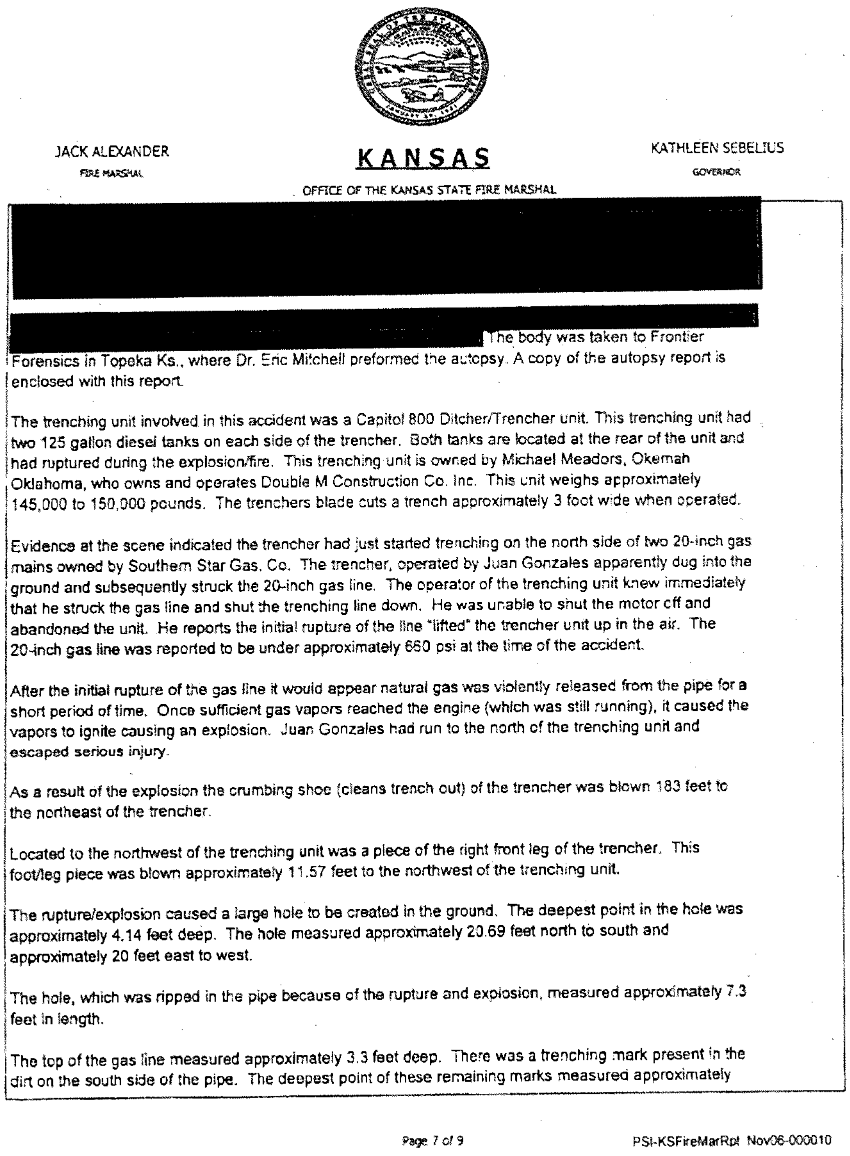
Once it was determined the scene was safe the Kansas Highway Patrol Chart Team mapped the area to include placement of the deceased and vehicle and trencher locations. The Kansas Highway Patrol also took aerial photographs of the fire scene.

KHP Trooper John Keene prepared a diagram of the scene, which is included with this report.

Labette County Assistant Coroner Scott Higgins also accessed the scene to prepare coroner information and arrange for an autopsy.

We entered the scene at 13:28 hrs.

[redacted]



JACK ALEXANDER
FIRE MARSHAL

KANSAS
OFFICE OF THE KANSAS STATE FIRE MARSHAL

KATHLEEN SEBELIUS
GOVERNOR

[redacted]

[redacted] The body was taken to Frontier Forensics in Topeka Ks., where Dr. Eric Mitchell preformed the autopsy. A copy of the autopsy report is enclosed with this report.

The trenching unit involved in this accident was a Capitol 800 Ditcher/Trencher unit. This trenching unit had two 125 gallon diesel tanks on each side of the trencher. Both tanks are located at the rear of the unit and had ruptured during the explosion/fire. This trenching unit is owned by Michael Meadors, Okemah Oklahoma, who owns and operates Double M Construction Co. Inc. This unit weighs approximately 145,000 to 150,000 pounds. The trenchers blade cuts a trench approximately 3 foot wide when operated.

Evidence at the scene indicated the trencher had just started trenching on the north side of two 20-inch gas mains owned by Southern Star Gas. Co. The trencher, operated by Juan Gonzales apparently dug into the ground and subsequently struck the 20-inch gas line. The operator of the trenching unit knew immediately that he struck the gas line and shut the trenching line down. He was unable to shut the motor off and abandoned the unit. He reports the initial rupture of the line "lifted" the trencher unit up in the air. The 20-inch gas line was reported to be under approximately 660 psi at the time of the accident.

After the initial rupture of the gas line it would appear natural gas was violently released from the pipe for a short period of time. Once sufficient gas vapors reached the engine (which was still running), it caused the vapors to ignite causing an explosion. Juan Gonzales had run to the north of the trenching unit and escaped serious injury.

As a result of the explosion the crumbing shoe (cleans trench out) of the trencher was blown 183 feet to the northeast of the trencher.

Located to the northwest of the trenching unit was a piece of the right front leg of the trencher. This foot/leg piece was blown approximately 11.57 feet to the northwest of the trenching unit.

The rupture/explosion caused a large hole to be created in the ground. The deepest point in the hole was approximately 4.14 feet deep. The hole measured approximately 20.69 feet north to south and approximately 20 feet east to west.

The hole, which was ripped in the pipe because of the rupture and explosion, measured approximately 7.3 feet in length.

The top of the gas line measured approximately 3.3 feet deep. There was a trenching mark present in the dirt on the south side of the pipe. The deepest point of these remaining marks measured approximately

3.7 feet deep.

A large area around the trenching unit was burned as a result of this rupture/explosion and fire. The farthest point of burn away from the trenching unit was approximately 472.94 feet to the north. This in part, was caused by strong south winds, which pushed the fire to the north.

Three vehicles were sitting to the northeast of the explosion scene. Vehicle #1 documented by the KHP drawing was a large 1996 International truck with work bed attached. This truck was bearing Oklahoma tag 592189T and registered to Jack Foran of 6815 E. 138 Rd. Holdenville Ok. This truck was located approximately 192 feet to the northeast of the trencher unit. Observation of this truck revealed it was destroyed by fire. Evidence of the explosion was present on and around the truck. I noted broken and shattered glass fragments on the ground. The truck had several holes punched in it, evidence of flying debris during the event.

Vehicle #2 documented by the KHP drawing was a 1995 Dodge Truck bearing Texas tags [redacted]. This truck registered to Juan Gonzales, [redacted] Austin Tx. The explosion and resulting fire also destroyed this truck. The truck was sitting approximately 203 feet to the northeast of the trencher unit.

Vehicle #3 documented by the KHP drawing was a 2003 Chevy Truck bearing OK. [redacted]. This truck registered to Magdalina and Raymond Woolard [redacted] Talihina Oklahoma. This truck was sitting approximately 299 feet to the northeast of the trencher unit. This truck received heat damage from the fire, causing the tail light to melt and paint on the vehicle to blister, as well as other damage.

I noted that Natural Gas Line warning markers were located approximately 387 feet to the west of the trenching unit. Two markers marked this crossing on the west end. Located approximately 1,057 feet to the east of the trenching unit were two more Natural Gas Line warning markers.

The natural gas makers read: DANGER HIGH PRESSURE GAS LINE

Southern Star Central Gas Pipeline, Independence Ks.

Tele-620-332-2900

If No Answer Call for Emergency Only

1-800-324-9696

According to Ray Woolard he had cleared the trees for the Double M workers to trench their ditches in this mile section. There was clear evidence that a lot of trenching activity had been occurring in this mile section, as there were numerous open trenches in the area. Black plastic gas pipe was lying on the ground next to many of the trenches. Several rolls of black plastic gas pipe were located to the south of the trenching unit.

During my investigation, I found a partially melted Southern Star yellow flag gas line marker approximately 24 feet to the south of the north 20-inch gas main. It would appear that this flag was at least partially covered with dirt prior to the explosion.

I photographed the explosion/fire scene during the course of my investigation. A photo disk containing those photographs accompanies this report. The original unaltered photo disk will be turned into the Topeka Office. Other photos of the fire in progress were taken by multiple people at the scene. I do not have all of the photos taken at the fire scene in this case file, nor do I know everyone who photographed the fire or fire scene.

KCC Pipeline Safety Inspector Bill Haislip is investigating violations of the Kansas One Call Act. As of this writing Mr. Haislip has advised me that the KCC has filed a civil action (Docket # 07-MMCP-469-SHO) against Double M Construction Co. for violations of the Kansas One Call Act. Those proceedings are pending.

U.S. Department of Transportation Pipeline and Hazardous Materials Safety Engineer Greg Ochs is conducting their independent investigation for that federal agency.

Both of the above individuals were at the explosion scene and were allowed access to the scene and I shared my information with them.

The Labette County Sheriff's Department assisted me with this investigation.

CONCLUSION: It is my opinion that this incident was an accident. There was no intentional act discovered during my investigation. There is however, evidence that the Kansas One Call Act was violated in this incident and the previous incident on Monday prior to this accident.

Principal Investigator [redacted]	Reviewed By: [redacted]	Date 12/06/2006

From: Jennifer.Giordano@lw.com [mailto:Jennifer.Giordano@lw.com]
Sent: Wednesday, October 15, 2014 3:07 PM
To: Bryan, Joe (Armed Services)
Cc: Sean.Berkowitz@lw.com; Lueptow, Michael (HSGAC); Gellasch, Tyler (HSGAC)
Subject: RE: LME PSI Exhibits.zip

Joe –

During our call on October 13, you asked whether the LME prohibits approved warehouses from owning metal. Pursuant to Clause 1.5.2 of the warehouse agreement, approved warehouses "may not deal directly or indirectly in Contracts," which would include owning metal the is the subject of an LME contract. However, as you acknowledged on our call, not all metal that is stored in an LME-approved warehouse is necessarily the subject of an LME contract.

You also asked for an update on the status of an LME investigation of one of its approved warehouses. As we have advised you in our letter of September 5, the LME's market compliance function is an integral part of fulfilling its statutory role as a market regulator. For that reason, the LME maintains confidentiality of ongoing investigations. Accordingly, we are not able to provide you with any further information.

Thanks,
Jenn

Jennifer L. Giordano

LATHAM & WATKINS LLP
555 Eleventh Street, NW
Suite 1000
Washington, D.C. 20004-1304
Direct Dial: +1.202.637.1013
Fax: +1.202.637.2201
Email: jennifer.giordano@lw.com
http://www.lw.com

From: Bryan, Joe (Armed Services) [mailto:Joe_Bryan@armed-services.senate.gov]
Sent: Wednesday, October 08, 2014 6:31 PM
To: Giordano, Jennifer (DC)
Cc: Berkowitz, Sean (CH); Lueptow, Michael (HSGAC); Gellasch, Tyler (HSGAC)
Subject: RE: LME PSI Exhibits.zip

Jenn:

We had another question for the LME. LME rules prohibit warehouses from dealing directly or indirectly in contracts. Would LME rules permit a warehouse company to enter into an agreement whereby the warehouse company earned a share in the proceeds of the sale of LME-warranted metal as consideration for the owner of that metal breaking a preexisting rental agreement with the warehouse? For purposes of the question, please assume that the value of the consideration paid to the warehouse company would increase with either the all-in sales price of the metal or the price of the applicable physical premium.

Please give me a call if you need clarification. Thank you.

Joe Bryan

From: Jennifer.Giordano@lw.com [mailto:Jennifer.Giordano@lw.com]
Sent: Monday, October 06, 2014 12:42 PM
To: Bryan, Joe (Armed Services)
Cc: Sean.Berkowitz@lw.com; Lueptow, Michael (HSGAC); Gellasch, Tyler (HSGAC)
Subject: RE: LME PSI Exhibits.zip

Joe –

The LME does not need to wait for a third party to levy a charge against a warehouse before it can investigate an approved warehouse's conduct. The warehouse agreement sets out a number of avenues for the Exchange to investigate warehouse's conduct and/or request information:

- Clause 8 of the warehouse agreement incorporates the terms of the LME's handbook on enforcement and disciplinary procedures applicable to warehouses. We previously produced a copy of that handbook to you as an attachment to the Mark Bradley declaration. See Exhibit P to the declaration bates LME_PSI0000997-1009. Clause 3.1 of the handbook provides that "allegations of an Act or Acts of Misconduct by a Warehouse may be brought either by the Exchange or by a [third party] Complainant." The investigation into those allegations must be "authorized by either the Director of Operations or the Executive Director: Regulation and Compliance" of the LME. See id. The LME's authority to investigate includes, among other things, any alleged act of misconduct "which has brought or may be likely to bring the Exchange or any of its markets into disrepute." Id. cls. 2.2.3, 3.1. Paragraphs 56-62 of Mr. Bradley's declaration summarize additional terms of the handbook. See LME_PSI0000712-713.

- Clause 7.3.3 of the warehouse agreement obliges a warehouse to provide to the LME on request such information from its storage records, warrant records and/or stock records relating to the types of metals deliverable on the LME, as the LME may reasonably request from time to time in connection with any enquiries being made or to be made by the LME in accordance with the LME Rules.

- Clause 7.3.4 enables the Exchange to undertake routine audits of warehouse companies, which the LME physical operations department does on a regular basis. As a result of information uncovered on a routine audit, the LME may request further information or commence an investigation under clause 8 and the disciplinary procedures, or any other relevant provision.

- As you have noted, the Exchange may investigate charges levied in accordance with clause 9.3.2. This is without prejudice to any other right of investigation or power to request further information as set out elsewhere in the agreement. Pursuant to clause 9.3.3, a warehouse is required to provide such information as the LME may reasonably request in relation to such investigation.

- Clause 9.3.4 also sets out a specific power to investigate inducements and request details of the provenance of metal. Again this is without prejudice to any other right of investigation or power to request further information as set out elsewhere in the agreement.

> It is worth noting that the Exchange may also elect to commence an investigation or disciplinary action as a result of the requirements relating to information barriers between trading companies and warehouse companies as set out in clause 9.13 of the warehouse agreement and also LME Notice 11/334, which is available on the LME's website at http://www.lme.com/~/media/Files/Notices/2011/2011_11/11_334_A326_W173_Information_Barriers_Between_Warehouse_Companies_and_Trading_Companies.pdf. A copy is also attached as bates LME_PSI0002228-2237. As mentioned to you previously, the LME recently undertook a review of the requirements in relation to information barriers and consulted on a number of amendments to the LME's rules in relation thereto: see http://www.lme.com/~/media/files/notices/2014/2014_07/14%20201%20a194%20w097%20response%20to%20feedback%20on%20information%20barrier%20requirements%202july2014.pdf and http://lme.com/~/media/Files/Notices/2014/2014_07/14%20202%20A195%20W098%20Information%20barriers%20between%20Warehouse%20Companies%20and%20Trading%20Companies.pdf. Copies are attached as bates LME_PSI0002238-2242 and LME_PSI0002243-2256. The requirements have been significantly reinforced and will come into effect on 1 January 2015.

Thanks,
Jenn

Jennifer L. Giordano

LATHAM & WATKINS LLP
555 Eleventh Street, NW
Suite 1000
Washington, D.C. 20004-1304
Direct Dial: +1.202.637.1013
Fax: +1.202.637.2201
Email: jennifer.giordano@lw.com
http://www.lw.com

From: Bryan, Joe (Armed Services) [mailto:Joe_Bryan@armed-services.senate.gov]
Sent: Wednesday, October 01, 2014 12:43 PM
To: Giordano, Jennifer (DC)
Cc: Berkowitz, Sean (CH); Lueptow, Michael (HSGAC); Gellasch, Tyler (HSGAC)
Subject: RE: LME PSI Exhibits.zip

Jenn:

The current warehouse agreement still appears to require that a charge be levied before the LME can initiate an investigation. Is that correct or can the exchange initiate an investigation on its own absent a charge being levied by a third party? Thanks.

Joe

From: Jennifer.Giordano@lw.com [mailto:Jennifer.Giordano@lw.com]
Sent: Tuesday, September 30, 2014 4:02 PM
To: Bryan, Joe (Armed Services)
Cc: Lueptow, Michael (HSGAC); Gellasch, Tyler (HSGAC); Sean.Berkowitz@lw.com
Subject: RE: LME PSI Exhibits.zip

Joe –

As you may know, following a market-wide consultation in 2013, in November 2013, the LME announced a series of warehouse reform measures. The warehouse reform package has 12 core elements, one of which is the Linked Load-In/Load-Out (LILO) Rule and another of which is the amendment to the warehouse agreement that you reference in your email. Despite the pendency of the *Rusal* proceeding, the LME has already implemented 6 of the 12 reform measures, including the amendment of the warehouse agreement to add clause 9.3.4. Clause 9.3.4 became effective on April 1, 2014, and it provides:

> The Exchange shall have the power to compel Warehouses to provide any information in accordance with Clause 9.3.3, including, without limitation details of all inducements paid to attract the load-in of metal, and details of the provenance of loaded-in metal, including information about metal which may have been previously in that Warehouse, or in another facility operated by the same Warehouse or member of the Warehouse's group. On the basis of such information, the Exchange may, at its discretion, impose additional load-out requirements on a Warehouse which the Exchange considers to have intentionally created or caused, or attempted to create or cause, a queue by the use of inducements or any other method.

Attached (Bates LME_PSI0001406-27) is a copy of the current warehouse agreement that is in force for all LME-approved warehouses. It is also available on the LME's website. The LME continues to update the market on the status of the warehouse reform measures. The LME's most recent update on September 11, 2014, is attached for your reference (Bates LME_PSI0001394-1405). As part of the warehouse reform package, the LME also intends to consult on further changes to the warehouse agreement, including to clause 9. The implementation of the consultation is on hold pending the decision of the Court of Appeal in the *Rusal* case. Once this has been received, the consultation can commence.

Thanks,
Jenn

Jennifer L. Giordano

LATHAM & WATKINS LLP
555 Eleventh Street, NW
Suite 1000
Washington, D.C. 20004-1304
Direct Dial: +1.202.637.1013
Fax: +1.202.637.2201
Email: jennifer.giordano@lw.com
http://www.lw.com

From: Bryan, Joe (Armed Services) [mailto:Joe_Bryan@armed-services.senate.gov]
Sent: Sunday, September 28, 2014 10:02 PM
To: Giordano, Jennifer (DC)
Cc: Lueptow, Michael (HSGAC); Gellasch, Tyler (HSGAC)
Subject: RE: LME PSI Exhibits.zip

Jenn:

The LME warehouse consultation report (p. 56) recommended strengthening the exchange's power to investigate inducements offered by warehouses at which there is a queue. Did LME officially propose that as an amendment to the warehousing agreement? If so was it enacted and is it now in effect? Thank you.

Joe

WILMERHALE

Reginald J. Brown

+1 202 663 6430(t)
+1 202 663 6363(f)
reginald.brown@wilmerhale.com

February 11, 2012

By Email

Hon. Carl Levin, Chairman
Hon. John McCain, Ranking Minority Member
Permanent Subcommittee on Investigations
Committee on Homeland Security and Governmental Affairs
United States Senate
SR-199 Russell Senate Office Building
Washington, DC 20510

Dear Chairman Levin and Ranking Member McCain:

We submit this letter on behalf of Morgan Stanley in response to your January 11, 2013 letter and questionnaire regarding the nature and scope of activities of U.S. banks in physical commodities. Morgan Stanley conducts trading in physical commodities within the Morgan Stanley Commodities division. While there may be limited exposure to financial commodities elsewhere in the Firm, the overwhelming majority of business in physical commodities resides in Morgan Stanley Commodities, therefore, the answers to the Subcommittee's questions are drawn from that unit of the company. We have responded to the questions to the best of our ability on an expedited basis, as requested. On a rolling basis, we will provide supplemental responses.

Responses to questions outlined in your January 11, 2013 questionnaire follow.

* * * *

Redacted By
Permanent Subcommittee on Investigations

Wilmer Cutler Pickering Hale and Dorr LLP, 1875 Pennsylvania Avenue NW, Washington, DC 20006
Beijing Berlin Boston Brussels Frankfurt London Los Angeles New York Oxford Palo Alto Waltham Washington

Questions 3-5 (approximate annual revenues and profit or loss for each of the specified commodities in each fiscal year from 2008-2012, general description of associated activities (e.g., trading revenues, warehouse storage fees, transportation fees), approximate percentage of company's aggregate yearly revenues represented by annual revenues from physical commodities, and approximate percentage of company's total assets represented by physical commodities holdings)

Morgan Stanley Commodities tracks revenues by desk, not by individual commodity, and does not break out physical from financial activity at a particular desk. Approximate aggregate yearly revenues by desk as reported in the Firm's financial statements for the years 2008 through 2012 appear below in Table 1. The percentage of the firm's total aggregate yearly revenues represented by each desk and by the commodities unit as a whole appear in Table 2. Costs stemming from associated storage and transportation fees for oil, power, and gas appear in Table 3.

Table 1: Global Commodities Division Net Revenue (USD Millions)

Desk	2008	2009	2010	2011	2012
Agriculturals	191	32	23	9	-1
AP EU Electric/Nat Gas	539	293	179	112	-21
Commodities Other	26	-89	2	2	-146
Credit	180	409	3	102	75
Investor Business	224	116	116	98	34
Metals	121	139	3	25	67
MS CVA MNE	0	-374	-26	-3	-108
NA Electric/Nat Gas	382	239	384	280	335
Oil Liquids	1,354	1,198	822	677	676
Total	3,017	1,963	1,506	1,302	911

Redacted By
Permanent Subcommittee on Investigations

Page(s)
Redacted By The
Permanent Subcommittee
on Investigation

* * * *

Redacted By
Permanent Subcommittee on Investigations

Sincerely,

Reginald J. Brown
Anne Harden Tindall

WILMERHALE

March 4, 2013

Reginald J. Brown

+1 202 663 6430(t)
+1 202 663 6383(f)
reginald.brown@wilmerhale.com

By E-Mail

Hon. Carl Levin, Chairman
Hon. John McCain, Ranking Minority Member
Permanent Subcommittee on Investigations
Committee on Homeland Security and Governmental Affairs
United States Senate
SR-199 Russell Senate Office Building
Washington, DC 20510

Dear Chairman Levin and Ranking Member McCain:

We submit this letter on behalf of Morgan Stanley in further response to your January 11, 2013 letter and questionnaire regarding the nature and scope of activities of U.S. banks in physical commodities. This letter supplements our February 11, 2013 response. We will continue, on a rolling basis, to respond to the January 11, 2013 inquiry. Morgan Stanley conducts trading in physical commodities within the Morgan Stanley Commodities division. While there may be limited exposure to financial commodities elsewhere in the Firm, the overwhelming majority of business in physical commodities resides in Morgan Stanley Commodities, therefore, the answers to the Subcommittee's questions are drawn from that unit of the company.

Responses to questions outlined in your January 11, 2013 questionnaire follow.

* * * *

Question 2 (value and volume of specified physical commodities held (a) currently, (b) at the end of each fiscal year since 2008, and (c) in the highest and lowest amount in each fiscal year since 2008)

The approximate aggregate amount and value of Morgan Stanley Commodities' year end holdings from 2008 through 2012 of the commodities specified in the Subcommittee's January 11, 2013 questionnaire appear in Tables 1 and 2 below.[1] This data is drawn from the firm's financial control system. The highest and lowest month end amount and value of each of these commodities held in each year from 2008 to 2012 appear in the table attached as Exhibit 1.

---

[1] The Firm's fiscal year ends on December 31.

Table 1: Commodities Holdings (by volume)*

Commodity	Tank Mode	Commodity Type	Unit of Measure	2008	2009	2010	2011	2012
Oil	***Storage***	Crude	BBL	1,138,671	633,533	12,273,035	1,036,531	1,699,252
		Distillate (Heating Oil)	BBL	7,326,436	15,207,665	11,391,501	8,968,520	5,851,967
		Ethanol	BBL	669,995	131,386	202,420	285,927	648,483
		Fuel Oil	BBL	974,228	1,770,510	1,870,536	1,389,816	1,715,747
		Gasoline	BBL	4,461,527	7,589,763	5,304,340	7,553,398	6,209,734
		Jet/Kerosene	BBL	4,591,455	10,562,783	6,561,934	5,770,509	4,046,226
		Naphtha	BBL	458,898	179,477	591,104	1,376,934	614,602
		NGL	BBL	1,419,000	836	65,069	24,566	49,967
	Transit	Crude	BBL	-	-	899,482	2,525,605	2,546,952
		Distillate (Heating Oil)	BBL	4,991,601	5,507,302	3,488,331	2,856,130	1,377,883
		Ethanol	BBL	49,944	284,954	367,665	60,362	402,926
		Fuel Oil	BBL	2	-	-	123,234	-
		Gasoline	BBL	3,571,564	4,604,841	5,047,358	5,607,237	5,454,470
		Jet/Kerosene	BBL	2,624,172	6,654,098	6,486,388	5,730,383	4,143,795
		Naphtha	BBL	-	188,339	776,303	263,486	-
		NGL	BBL	-	-	-	-	-
Metals		Platinum	OZ	6,887	117,629	79,274	19,269	5,035
		Rhodium	OZ	1,176	6,646	24,546	9,174	11,574
		Gold	OZ	30,084	133,567	449,571	11,552	44,740
		Palladium	OZ	196,984	36,369	59,776	11,509	63,421
		Silver	OZ	2,096,433	3,800,469	280,511	326,066	177,243
		Aluminum	MT	-	-	5,949	349	5,302
		Copper	MT	-	-	2,956	1,000	3,629
		Lead	MT	-	-	-	50	2,529
		Zinc	MT	-	99	4,957	149	7,612
Coal		Coal	MT	95,028	310,913	72,076	89,167	-
			ST	-	-	-	-	-
LNG		LNG	MMBT	-	-	2,945,004	90,143	6,862,842
Natural Gas		North American	GJ	1,451,111	1,538,156	1,712,861	-	-
			MMBT	-	6,392,791	6,715,027	4,051,906	2,584,416
		European	MWH	325,110	-	563,283	1,580,839	1,821,428
			Therm	52,124,484	53,367,229	30,516,173	22,695,085	36,657,982

Table 2: Commodities Holdings (by value in USD Millions)*

Commodity	Tank Mode	Commodity Type	2008	2009	2010	2011	2012
Oil	***Storage***	Crude	46	48	1,159	103	127
		Distillate (Heating Oil)	422	1,333	1,211	1,120	748
		Ethanol	35	11	21	31	63
		Fuel Oil	35	133	166	170	192
		Gasoline	186	664	545	880	748
		Jet/Kerosene	272	934	703	713	521
		Naphtha	12	14	58	151	69
		NGL	38	.05	5	3	5
	Transit	Crude	-	-	87	278	250
		Distillate (Heating Oil)	300	481	371	356	175
		Ethanol	3	25	37	6	42
		Fuel Oil	-	-	-	12	-
		Gasoline	157	397	518	643	637
		Jet/Kerosene	165	594	700	709	532
		Naphtha	-	15	75	26	-
		NGL	-	-	-	-	-
Metals		Platinum	6	172	141	27	8
		Rhodium	1	17	61	12	12
		Gold	27	146	639	18	75
		Palladium	37	15	48	8	45
		Silver	24	64	9	9	5
		Aluminum	-	-	15	.8	11
		Copper	-	-	31	8	29
		Lead	-	-	-	.1	5
		Zinc	-	.3	14	.3	16
Coal		Coal	7	28	10	10	-
			-	-	-	-	-
LNG		LNG	-	-	29	1	114
Natural Gas		North American (GJ)	7	8	6	-	-
		North American (MMBT)	-	36	29	12	9
		European (MWH)	13	-	19	44	62
		European (Therm)	44	29	29	19	38

***Notes:**

1. All values and quantities are reported as represented in the firm's systems as of December 31 from 2008 through 2012. Any subsequent accounting or scheduling adjustments are not reflected. Values may not include *de minimus* holdings.
2. Oil and Products have been converted into barrels (BBL). All other commodity quantities are in native units.
3. Oil and Products have been divided into Tank Modes. Storage represents inventory sitting in storage tanks or in rack distribution systems. Transit represents inventory moving through pipelines or on ships.
4. Distillate (Heating Oil) includes Heating Oil, Gasoil, and Diesel globally.
5. Gasoline includes Gasoline and Blendstocks globally.

Question 5 (Please provide the approximate percentage of your company's total assets represented by its holdings of the physical commodities identified in response to Question 2, above, and all plant and equipment held for use in connection with those commodities.)

Table 3: Commodities Holdings as Percentage of Firm's Total Assets (USD Millions)

	2008	2009	2010	2011	2012
Commodities Holdings	1,838	5,166	6,734	5,371	4,537
Firm's Total Assets	676,764	771,462	807,698	749,898	780,960
Commodities Holdings as % of Firm's Total Assets	.27%	.67%	.83%	.72%	.58%

Question 7 (For each commodity identified in response to Question 2, please describe the principal business reasons for holding physical commodities in inventory, including trading in the physical commodity on behalf of unaffiliated third parties, trading in physical commodities as a principal, hedging of futures or derivative positions, physical settling of commodity futures or derivatives, participating in a wholesale market, providing logistical services to commodity traders and users, or some other reason.)

In the commodities markets in which Morgan Stanley Commodities participates (as identified in response to Question 2), Morgan Stanley Commodities provides integrated services—financing, credit, hedging, risk management, risk intermediation, advisory, capital markets, and other services—that either cannot be provided, or cannot be provided as efficiently, by other market participants. Morgan Stanley Commodities' role in providing critical commodities services is shaped by the commodity markets themselves. Commodity markets are highly fragmented by product grade or other specifications and seasonal, cyclical, and location factors, such as origin and delivery destination. Commodity markets also tend to have low levels of liquidity, especially for transactions extending beyond short-term time horizons and provide little opportunity for agency transactions. These characteristics of the commodity markets make pricing and managing commodity risk a difficult and nuanced process; as an active participant in these markets, the Firm gains expertise and develops judgment critical to pricing risk appropriately both for physical transactions and for corresponding swaps. Customers depend upon the participation of large liquidity providers that are able to manage principal risk.

Agency-type transactions, including riskless principal transactions, are unworkable in most commodity markets, either because there is no immediate buyer or seller for a particular commodity or transaction or because, in the absence of significant liquidity and in light of the fragmented nature of physical markets, immediately selling (or buying) a large position in the market would negatively affect the market price and undermine or defeat the objectives of the trade. Customers rely on Morgan Stanley Commodities, acting as a principal, to serve as a bridge between buyers and sellers by assuming time, location, commodity grade, and other price risks, to find the contra-side of a transaction, and to manage the risks of market impact of a transaction.

The Firm must hold physical inventory in order to satisfy the demands of Morgan Stanley Commodities' clients, whose businesses require that they transact in the physical market. These clients may not have the necessary infrastructure or logistical expertise to fulfill their physical supply requirements economically and efficiently, or they may not have the right infrastructure in the right locations, or they may have difficult-to-address seasonal or cyclical requirements. Furthermore, Morgan Stanley Commodities' ability to participate in both the physical market and the swaps market allows for greater flexibility and effectiveness in achieving risk management goals.

Morgan Stanley Commodities also plays a role in maintaining the efficiency and viability of commodity markets, providing liquidity and helping facilitate price convergence and alignment. Morgan Stanley Commodities' principal trading activities in physical commodity markets create necessary links between regions, products, and delivery of products that foster competitive pricing within and across markets and efficient allocation of critical resources.

Specific examples of these services include the following:

- Morgan Stanley has electricity transmission capabilities between the Midwest and Georgia, which it can use to, for example, move power from an oversupplied and lower priced area in the Midwest to an undersupplied, and higher priced location in Georgia.

- Morgan Stanley helped a leading U.S. airline under Chapter 11 restructuring to reduce its operating costs, working capital requirements, and balance sheet associated with jet fuel supply. Morgan Stanley provided the airline a long-term contract for delivery of jet fuel, typically one day prior to the airline's daily need to service its fleet. Morgan Stanley also provided logistical support. The airline benefitted because Morgan Stanley sold the airline jet fuel at a lower price than the airline was previously paying, lowering the airline's operating expenses and reducing the size of its balance sheet and interest expenses.

- Morgan Stanley helped a private buyer purchase three struggling U.S. refineries in late 2010 and mid-2011. The private buyer needed working capital along with logistical expertise to supply crude oil at one Ohio refinery and offtake the refined products at two other refineries located in New Jersey and Delaware. Morgan Stanley had the expertise and capacity to offer the logistical services, crude supply, product offtake, and inventory ownership (which replaced the need for financing). Morgan Stanley's services facilitated the continued operation of these refineries during a period of supply constraints in the Northeast market.

- During the recent expansion in U.S. energy production, Morgan Stanley helped multiple independent U.S. Exploration & Production (E&P) companies hedge future production through swaps and options to lock in expected economics. By hedging, the U.S. E&P companies have been able to support additional debt used to expand operations, purchase properties, and increase drilling. Morgan Stanley has the expertise in the illiquid deferred portion of the natural gas and crude markets to offer these hedges. Without these services, the U.S. E&Ps likely would not be able to grow their businesses, create jobs, or increase domestic production.

Question 8 (With respect to each commodity identified in response to Question 2, please indicate how the inventory is classified for financial reporting and accounting purposes, including whether the inventory is treated as a derivatives holding, merchant banking asset or investment, private equity investment, property, or some other classification.)

The physical inventories identified in response to Question 2 are classified as inventory for financial reporting and accounting purposes. For certain precious metals, certain leased and reclassified as lend and borrow financings have been added to the totals in Tables 1 and 2 to represent the net exposure.

* * * *

This letter contains sensitive and proprietary business information. Morgan Stanley respectfully requests that such information be accorded special protection from disclosure and that it be maintained confidentially under all applicable Senate and Subcommittee rules, including Rule XXIX.5 of the Standing Rules of the Senate, and not be released publicly in a non-anonymized manner without advance notice to Morgan Stanley and a majority vote of the Subcommittee. Such treatment would be consistent with the respect for sensitive and confidential business information that the Senate has shown in the past.

Thank you for the opportunity to provide this response.

Sincerely,

Reginald J. Brown
Anne Harden Tindall

WILMERHALE

Reginald J. Brown

+1 202 663 6430(t)
+1 202 663 6363(f)
reginald.brown@wilmerhale.com

July 16, 2013

By E-Mail

Hon. Carl Levin, Chairman
Hon. John McCain, Ranking Minority Member
Permanent Subcommittee on Investigations
Committee on Homeland Security and Governmental Affairs
United States Senate
SR-199 Russell Senate Office Building
Washington, DC 20510

Dear Chairman Levin and Ranking Member McCain:

We submit this letter on behalf of Morgan Stanley in response to your January 11, 2013 letter and questionnaire regarding the nature and scope of activities of U.S. banks in physical commodities. It includes responses to Questions 14 through 16 and, as a courtesy, all previously submitted questionnaire responses.[1] We have responded to the Subcommittee's questionnaire in good faith to the best of our ability based on readily accessible data and information. Should additional or revised data or information responsive to the questionnaire come to light, we respectfully request, as we become aware of a need, an opportunity to supplement or amend our response. Morgan Stanley conducts trading in physical commodities within the Morgan Stanley Commodities division. While there may be limited exposure to financial commodities elsewhere in the Firm, the overwhelming majority of business in physical commodities resides in Morgan Stanley Commodities, therefore, unless otherwise noted, the answers to the Subcommittee's questions are drawn from that unit of the company.

Responses to questions outlined in your January 11, 2013 questionnaire follow.

* * * *

Redacted By
Permanent Subcommittee on Investigations

---

[1] Previously submitted Exhibits and Tables have been renumbered for clarity.

On all queries, please copy undersigned counsel at WilmerHale.

Question 2 (value and volume of specified physical commodities held (a) currently, (b) at the end of each fiscal year since 2008, and (c) in the highest and lowest amount in each fiscal year since 2008)

The approximate aggregate amount and value of Morgan Stanley Commodities' year end holdings from 2008 through 2012 of the commodities specified in the Subcommittee's January 11, 2013 questionnaire appear in Tables 1 and 2 below.[2] This data is drawn from the Firm's financial control system. The highest and lowest month end amount and value of each of these commodities held in each year from 2008 to 2012 appear in the table attached as Exhibit 1.

Table 1: Commodities Holdings (by volume)*

Commodity	Tank Mode	Commodity Type	Unit of Measure	2008	2009	2010	2011	2012
Oil	*Storage*	Crude	BBL	1,138,671	633,533	12,273,035	1,036,531	1,699,252
		Distillate (Heating Oil)	BBL	7,326,436	15,207,665	11,391,501	8,968,520	5,851,967
		Ethanol	BBL	669,995	131,386	202,420	285,927	648,483
		Fuel Oil	BBL	974,228	1,770,510	1,870,536	1,389,816	1,715,747
		Gasoline	BBL	4,461,527	7,589,763	5,304,340	7,553,398	6,209,734
		Jet/Kerosene	BBL	4,591,455	10,562,783	6,561,934	5,770,509	4,046,226
		Naphtha	BBL	458,898	179,477	591,104	1,376,934	614,602
		NGL	BBL	1,419,000	836	65,069	24,566	49,967
	Transit	Crude	BBL	-	-	899,482	2,525,605	2,546,952
		Distillate (Heating Oil)	BBL	4,991,601	5,507,302	3,488,331	2,856,130	1,377,883
		Ethanol	BBL	49,944	284,954	367,665	60,362	402,926
		Fuel Oil	BBL	2	-	-	123,234	-
		Gasoline	BBL	3,571,564	4,604,841	5,047,358	5,607,237	5,454,470
		Jet/Kerosene	BBL	2,624,172	6,654,098	6,486,388	5,730,383	4,143,795
		Naphtha	BBL	-	188,339	776,303	263,486	-
		NGL	BBL	-	-	-	-	-
Metals		Platinum	OZ	6,887	117,629	79,274	19,269	5,035
		Rhodium	OZ	1,176	6,646	24,546	9,174	11,574
		Gold	OZ	30,084	133,567	449,571	11,552	44,740
		Palladium	OZ	196,984	36,369	59,776	11,509	63,421
		Silver	OZ	2,096,433	3,800,469	280,511	326,066	177,243
		Aluminum	MT	-	-	5,949	349	5,302
		Copper	MT	-	-	2,956	1,000	3,629
		Lead	MT	-	-	-	50	2,529
		Zinc	MT	-	99	4,957	149	7,612

---

[2] The Firm's fiscal year ends on December 31.

Table 1: Commodities Holdings (by volume)*

Commodity	**Tank Mode**	**Commodity Type**	**Unit of Measure**	**2008**	**2009**	**2010**	**2011**	**2012**
Coal		Coal	MT	95,028	310,913	72,076	89,167	-
			ST	-	-	-	-	-
LNG		LNG	MMBT	-	-	2,945,004	90,143	6,862,842
Natural Gas		North American	GJ	1,451,111	1,538,156	1,712,861	-	-
			MMBT	-	6,392,791	6,715,027	4,051,906	2,584,416
		European	MWH	325,110	-	563,283	1,580,839	1,821,428
			Therm	52,124,484	53,367,229	30,516,173	22,695,085	36,657,982

Table 2: Commodities Holdings (by value in USD Millions)*

Commodity	**Tank Mode**	**Commodity Type**	**2008**	**2009**	**2010**	**2011**	**2012**
Oil	*Storage*	Crude	46	48	1,159	103	127
		Distillate (Heating Oil)	422	1,333	1,211	1,120	748
		Ethanol	35	11	21	31	63
		Fuel Oil	35	133	166	170	192
		Gasoline	186	664	545	880	748
		Jet/Kerosene	272	934	703	713	521
		Naphtha	12	14	58	151	69
		NGL	38	.05	5	3	5
	Transit	Crude	-	-	87	278	250
		Distillate (Heating Oil)	300	481	371	356	175
		Ethanol	3	25	37	6	42
		Fuel Oil	-	-	-	12	-
		Gasoline	157	397	518	643	637
		Jet/Kerosene	165	594	700	709	532
		Naphtha	-	15	75	26	-
		NGL	-	-	-	-	-
Metals		Platinum	6	172	141	27	8
		Rhodium	1	17	61	12	12
		Gold	27	146	639	18	75
		Palladium	37	15	48	8	45
		Silver	24	64	9	9	5
		Aluminum	-	-	15	.8	11
		Copper	-	-	31	8	29
		Lead	-	-	-	.1	5
		Zinc	-	.3	14	.3	16
Coal		Coal	7	28	10	10	-
LNG		LNG	-	-	29	1	114
Natural Gas		North American (GJ)	7	8	6	-	-

Table 2: Commodities Holdings (by value in USD Millions)*

Commodity	Tank Mode	Commodity Type	2008	2009	2010	2011	2012
		North American (MMBT)	-	36	29	12	9
		European (MWH)	13	-	19	44	62
		European (Therm)	44	29	29	19	38

***Notes:**

1. All values and quantities are reported as represented in the Firm's systems as of December 31 from 2008 through 2012. Any subsequent accounting or scheduling adjustments are not reflected. Values may not include *de minimus* holdings.
2. Oil and Products have been converted into barrels (BBL). All other commodity quantities are in native units.
3. Oil and Products have been divided into Tank Modes. Storage represents inventory sitting in storage tanks or in rack distribution systems. Transit represents inventory moving through pipelines or on ships.
4. Distillate (Heating Oil) includes Heating Oil, Gasoil, and Diesel globally.
5. Gasoline includes Gasoline and Blendstocks globally.

Redacted By
Permanent Subcommittee on Investigations

**Page(s)
Redacted By The
Permanent Subcommittee
on Investigation**

Redacted By
Permanent Subcommittee on Investigations

b) ***For each commodity identified in response to Question 2, please indicate whether, since January 1, 2008, your company has been involved, directly or indirectly, including through an affiliate or fund, in the warehousing, storage, or transport of the physical commodity and, if so, please describe the nature of that activity, its volume, and the markets involved, including any spot markets.***

The Firm owns TransMontaigne Inc. and its subsidiaries, a group of companies operating in the refined petroleum products marketing and distribution business, and it holds a 49% interest in Heidmar Holdings LLC, which owns a group of companies that provide international marine transportation and U.S. marine logistics services. The Firm also has a 49% interest in ASG Field Services, an entity engaged in propane delivery, and a 30% interest in Global Energy International Limited, a Singapore company that provides international marine services and supplies bunker fuel and other oil products through its own fleet of 23 vessels.

Previously, the Firm held interests of between 10% and 12.5% in Aircraft Fuel Supply B.V., a hydrant and storage company incorporated under Dutch law and located at the Schiphol Airport in the Netherlands, and interests of less than 3% in Delek US Holdings, Inc., a diversified energy company with assets in the petroleum refining, logistics, and retail industries.

In the relevant time period, the Firm held interests of between 23% and 33% in Morgan Stanley Capital Partners V. This Fund has investments in Trinity Investment Holdings LLC, which has an approximately 70% ownership stake in an enhanced oil recovery company that engages in tertiary production of oil and gas and transports and markets CO_2 to third-party producers in the Permian Basin of West Texas.

During the relevant time period, the Firm also held interests of between 10% and 15% in the Morgan Stanley Infrastructure Fund. This Fund has investments in Montreal Gateway Terminals, which has an 80% ownership in a port operator in Montreal, Canada, and Madrilena Red de Gas, which has a 61.2% ownership in a natural gas distribution company in Spain.

There is no readily available metric with respect to volume for the various warehousing, transport, and storage activities described above. To the extent that the Subcommittee would like additional information regarding any of the particular entities or activities described in response to Question 6(b), we would be happy to discuss a supplemental response with respect to those entities.

c) ***For each commodity identified in response to Question 2, please indicate whether, since January 1, 2008, your company has been involved, directly or indirectly, including through an affiliate or fund, in the processing or production of the physical commodity and, if so, please describe the nature of that activity, its volume, and the markets involved, including any spot markets.***

The Firm currently owns three peak power plants in the United States. The plants are located in Alabama, Georgia, and Nevada and were constructed between 1999 and 2001. They are designed to operate only when market prices exceed certain peak prices, creating a need for additional supply, at which point the plants would provide power to Morgan Stanley Capital Group Inc. for resale to its counterparties. The Firm also owns a power plant in the Netherlands, acquired around 2005, which is currently not operating. In 2007, the Firm acquired a power plant in Spain, and in 2008, it acquired a second power plant in the Netherlands, but both have been sold or decommissioned.

The Firm holds a 2.7% equity position in Energy Future Holdings Corp., which is a Dallas-based, privately held energy company with a portfolio of competitive and regulated energy companies serving the Texas electricity market, as well as an 8.8% interest in La Paloma, which owns four power plants in California.

The Firm is majority owner of Wellbore LLC and its subsidiary, Big C Gathering LLC, which invest in oil and natural gas exploration and development projects, largely through non-operating working interests in drilling projects. The Firm previously held a limited partnership interest in Helios Energy Partners I LP, a fund that made investments in onshore oil and natural gas exploration and development assets in the United States. It also has held a preferred stock investment of approximately 4.1% to 4.3% in the parent company of agri.capital GmbH, a German company that develops, plans, and operates biogas plants dedicated to environmentally sound production of heat and electricity. Agri.capital also produces biomethane (or bio-natural gas) to feed into the natural gas grid.

In 2007, the Firm provided financing to Ukrainian entity LLC Enselco, and in return, obtained an option to acquire the share capital of Enselco's parent, Venusaur Holdings Limited, a Cyprus Holding Company. At the time of Morgan Stanley's investment, Enselco intended to manufacture biodiesel from rapeseed, among other biofuels, that it would grow on its farms as part of a crop rotation program. Enselco grew other crops, as well (*e.g.*, barley, wheat, and oats) which it sold in agricultural markets. Storage occurred in Enselco's own and third-party storage facilities. The Firm sold its option on the share capital of Venusaur Holdings Limited by 2010.

Between 2008 and the present, the Firm has held interests of between 23% and 33% in Morgan Stanley Capital Partners V. This Fund has investments in the following entities:

- Triana Energy Investments LLC, which owns approximately 70% of a natural gas exploration and production company based in West Virginia;
- Trinity Investment Holdings LLC, which owns approximately 70% of an enhanced oil recovery company that engages in tertiary production of oil and gas and transports and markets CO_2 to third-party producers in the Permian Basin of West Texas; and
- Sterling Investment Holdings LLC, which owns approximately 63% of a natural gas gathering and processing company headquartered in Denver, Colorado.

Between 2008 and the present, the Firm has held interests of between 10% and 15% in the Morgan Stanley Infrastructure Fund, which has investments in the following entities:

- Southern Star, which owns 100% of a natural gas transmission and storage facility in the Midwestern United States;
- Medical Area Total Energy Plant, which has a 90% ownership of a Boston area tri-generation facility providing heating, cooling, and electricity;
- Zhaoheng Hydropower Ltd., which has a 19% ownership of a hydropower producer in China;
- Asian Genco, which has a 21% ownership of a developer of clean power generation assets in India; and
- Continuum Wind Energy, which has a 79% ownership of a wind power generation asset operator and developer in India.

There is no readily available metric with respect to volume for the various processing and production activities described above. To the extent that the Subcommittee would like additional information regarding any of the entities or activities described in response to Question 6(c), we would be happy to discuss a supplemental response with respect to those entities.

Question 7: For each commodity identified in response to Question 2, please describe the principal business reasons for holding physical commodities in inventory, including trading in

Page(s) Redacted By The Permanent Subcommittee on Investigation

Morgan Stanley Response to Question 16, Exhibit 6

Company (Legal Name)	Commodity	Nature of Facility	Address	Senior Executive(s)	Size of Interest*	Date of Organization	Initial Investment Date
Wellbore Capital, LLC	Oil, natural gas/JV elec	Oil and natural gas exploration	4925 Greenville Avenue, Suite 500 Dallas, Texas 75206	Stephen H. Hudson, Managing Director; James Terracio, Managing Director	99.5% US$37,491,024	10-Aug-06	14-Aug-06

* Percent of the Firm's voting interest and book value as determined by Morgan Stanley as of May 31, 2013.

** Morgan Stanley has never held an equity interest in LLC Enselco or its parent holding company; we include it here due to Subcommittee staff's expressed interest in this entity. Morgan Stanley previously owned an option to acquire Venusaur Holdings Limited, the parent holding company of LLC Enselco, which owned farming subsidiaries in the Ukraine. Morgan Stanely never exercised its option with Venusaur Holdings, sold that option to a third-party, and that third-party has since sold its interest in Enselco to another entity. Morgan Stanley does not have a relationship with the current owners of LLC Enselco, and as a consequence, our ability to obtain information about this entity and its operations is limited.

From: DaCunha, Alyssa
To: Bean, Elise (HSGAC)
Cc: Brown, Reginald; Messenger, Angela (HSGAC); Lueptow, Michael (HSGAC); Gellasch, Tyler (HSGAC); Churches, Joel (HSGAC); Katz, David (HSGAC); Sarsour, Ahmad (HSGAC); Robertson, Mary (HSGAC); Pfuhl, Sarah
Subject: RE: MS Questions
Date: Friday, October 24, 2014 6:38:00 PM

Elise,

Morgan Stanley entered into a crude oil supply agreement with Toledo Refining Company LLC in March 2011 that was later assigned to PBF Holding Company LLC. The parties agreed to terminate this agreement effective July 31, 2004 and we are aware of no ongoing discussions regarding any renewal. Morgan Stanley also entered into a refined products offtake agreement with Delaware City Refining Company LLC in April 2011 that was later assigned to PBF Holding Company LLC. The parties agreed to terminate this agreement effective July 1, 2013. Finally, Morgan Stanley entered into a refined products offtake agreement with Paulsboro Refining Company LLC in August 2012 that was later assigned to PBF Holding Company LLC. The parties agreed to terminate this second offtake agreement effective July 1, 2013. We are not aware of any discussions that have taken place with respect to renewal of the offtake agreements.

Best,

Alyssa

From: Bean, Elise (HSGAC) [mailto:Elise_Bean@hsgac.senate.gov]
Sent: Friday, October 24, 2014 12:03 AM
To: DaCunha, Alyssa
Cc: Brown, Reginald; Messenger, Angela (HSGAC); Lueptow, Michael (HSGAC); Gellasch, Tyler (HSGAC); Churches, Joel (HSGAC); Katz, David (HSGAC); Sarsour, Ahmad (HSGAC); Robertson, Mary (HSGAC); Pfuhl, Sarah
Subject: RE: MS Questions

Redacted By
Permanent Subcommittee on Investigations

"Deal or No Deal, Morgan Stanley Commodity Trade Shrinks," WHTC, Matthew Robinson and Scott Disavino (6/7/2012), http://whtc.com/news/articles/2012/jun/07/deal-or-no-deal-morgan-stanley-commodity-trade-shrinks/

From: DaCunha, Alyssa [mailto:Alyssa.DaCunha@wilmerhale.com]
Sent: Thursday, October 23, 2014 10:22 PM
To: Bean, Elise (HSGAC)
Cc: Brown, Reginald; Messenger, Angela (HSGAC); Lueptow, Michael (HSGAC); Gellasch, Tyler (HSGAC); Churches, Joel (HSGAC); Katz, David (HSGAC); Sarsour, Ahmad (HSGAC); Robertson, Mary (HSGAC);

Pfuhl, Sarah
Subject: MS Questions

Elise,

Below please find answers to the questions sent this past weekend.

- **Question: Is it correct that, despite selling TransMontaigne as a whole to NGL Energy Partners, Morgan Stanley retained 100% of the ownership of TransMontaigne Canadian Holdings Inc., including its subsidiary Olco Petroleum Group ULC? If so, does that mean Morgan Stanley still owns, indirectly, Olco's refined oil sales business and 200 gasoline stations in Eastern Canada?**
    - Response: Morgan Stanley currently owns Olco Petroleum Group ULC ("Olco"). However, Olco no longer conducts a refined oil sales business or operates gasoline stations. Morgan Stanley has sold the majority of the Olco properties. What remains are 26 non-operational properties that are in the process of being prepared for sale.
- **Question: Is it correct that, in 2008, Morgan Stanley began to ship liquefied natural gas (LNG) and also trade LNG cargoes? Is it correct that, in 2011, it traded 21 LNG cargoes, containing roughly 65 billion cubic feet of natural gas? And that in 2012, it had two LNG ships on charter, and conducted trades involving 13 LNG cargoes through the first half of 2012? If Morgan Stanley does trade LNG cargoes, please provide complete numbers for 2012, and describe the current status of Morgan Stanley's LNG activities, including whether, in 2013, it shipped any LNG cargoes or traded any LNG cargoes, and if so, how many were involved.**
    - Response: Morgan Stanley began shipping liquefied natural gas ("LNG") in 2008.
        - In 2011, Morgan Stanley traded 34 cargoes of LNG, containing roughly 75.8 million cubic feet of natural gas.
        - In 2012, Morgan Stanley traded 32 cargoes of LNG, containing roughly 66 million cubic feet of LNG, and chartered four LNG vessels at various points during 2012.
        - In 2013, Morgan Stanley traded 6 cargoes of LNG, containing roughly 11.5 million cubic feet of LNG.
        - In January 2013, Morgan Stanley's LNG trading desk departed for Glencore Xstrata; as such Morgan Stanley has not generated any new LNG business since that departure.
- **Question: About how much crude oil did MS supply to Ineos under the deal, whether the contract went from 2008 to 2012, what the current status is, and whether MS has deals to supply crude to any other refineries.**
    - Response: Morgan Stanley's contract with Ineos ran from 2007 to 2012. Over the period of the Ineos contract, Morgan Stanley supplied 503 million barrels of crude oil to two refineries, one in Grangemouth, Scotland and another in Lavéra, France. Morgan Stanley currently has no contracts to supply crude oil to refineries.

Best,

Alyssa

Alyssa DaCunha | WilmerHale
1875 Pennsylvania Avenue NW
Washington, DC 20006 USA
+1 202 663 6454 (t)
+1 202 663 6363 (f)
alyssa.dacunha@wilmerhale.com

Please consider the environment before printing this email.

This email message and any attachments are being sent by Wilmer Cutler Pickering Hale and Dorr LLP, are confidential, and may be privileged. If you are not the intended recipient, please notify us immediately—by replying to this message or by sending an email to postmaster@wilmerhale.com—and destroy all copies of this message and any attachments. Thank you.

For more information about WilmerHale, please visit us at http://www.wilmerhale.com.

WILMERHALE

Reginald J. Brown
+1 202 663 6430(t)
+1 202 663 6363(f)
reginald.brown@wilmerhale.com

November 18, 2014

By Electronic Delivery

Ms. Elise Bean
Permanent Subcommittee on Investigations
Committee on Homeland Security and Governmental Affairs
United States Senate
SR-199 Russell Senate Office Building
Washington, DC 20510-6262

Dear Elise:

Redacted By

Permanent Subcommittee on Investigations

I. Major Issues

A. Rosneft

Redacted By

Permanent Subcommittee on Investigations

Redacted By
Permanent Subcommittee on Investigations

With respect to strategic alternatives for the Rosneft sale, as Morgan Stanley's Chief Financial Officer, Ruth Porat, made clear in an interview last month with Reuters, Morgan Stanley will consider alternative ways to divest the business if the Rosneft deal is unsuccessful. The Draft Report acknowledges this on page 238, where it states: "[i]f the sale [to Rosneft] does not proceed, Morgan Stanley has indicated that it will work to locate another buyer for the rest of its oil merchanting business." We request that the incorrect statement on page 286 be revised to reflect the statement made on page 238 of the Draft Report.

Redacted By
Permanent Subcommittee on Investigations

Page(s) Redacted By The Permanent Subcommittee on Investigation

Redacted By
Permanent Subcommittee on Investigations

Morgan Stanley has decided to focus the commodities business on its core strength—providing intermediation, risk management, and supply services—rather than owning transportation, storage, or other infrastructure assets that are used in connection with physical commodities. As Mr. Gorman stated, Morgan Stanley's Commodities Division "is removing the ownership and operation of physical commodity plant[s]." In some areas, such as physical oil, Morgan Stanley is also reducing its footprint in terms of the quantity of physical commodities for which it may make and take delivery. However, Morgan Stanley expects to continue to purchase, sell, and make and take delivery of physical commodities in connection with its core business of providing intermediation and risk management to its clients. This is what Mr. Gorman described as "the trading business, where we facilitate trading for people in need to hedge their exposure" to commodity pricing risks. Effective hedging strategies include transacting in physical commodities. Morgan Stanley Commodities Division will use fully-vetted third party owners and operators of any facilities used to transport, store, produce, generate, or modify those commodities.

Redacted By
Permanent Subcommittee on Investigations

Page(s) Redacted By The Permanent Subcommittee on Investigation

Draft Talking Points Regarding Commodities Plans to Sell and Export Compressed Natural Gas

Overview of the Opportunity

Morgan Stanley Commodities seeking applicable internal Morgan Stanley approvals, including that of the Franchise Committee, to sell Compressed Natural Gas ("CNG") via ISO Containers. Commodities anticipates that it will:

- Acquire natural gas via pipeline;
- Compress the natural gas to higher pressurization;
- Load the CNG into ISO Containers;[1] and
- Ship the CNG ISO Containers to various countries and US territories in the Caribbean.[2]

This activity will be conducted within Commodities North American Power & Gas desk's existing physical commodities operations and is in-line with Commodities' business model

- Specifically, it is anticipated that the assets (e.g., a compression station and ISO Containers) will be owned by one of Morgan Stanley's existing power generation subsidiaries (the "GenCo").[3]
- GenCo will acquire natural gas from MSCG and sell all its output to a Morgan Stanley trading subsidiary, which will enter into all 3rd party CNG purchase and sale agreements and will charter vessels for transport of the ISO Containers to buyer destinations.

The activity is being presented to the Americas Franchise Committee, primarily to address how the operational risks are to be mitigated and any concerns of criticism regarding the export of natural gas.

- The design, construction and on-going operation and maintenance of the assets would be subject to arrangements with reputable third party service providers. These assets are anticipated to include:
  - A relatively isolated parcel of land approx. 5 miles from the Port of Savannah;
  - A compression station to be situated on the above property;
  - A spur rail line in order to obtain access to rail service transports the CNG ISO Containers from the compression station to the Port;[4]
  - ISO Containers, initially approximately 1,500; and
  - A lateral pipeline that connects the compression station to an interstate pipeline.
- Natural gas production within the US is abundant and CNG would be exported to free trade agreement countries and US territories.

---

[1] Export sales will transfer title and risk of loss to Buyer as the ISO Containers are loaded on to the vessel.

[2] Commodities is also evaluating domestic sales of CNG.

[3] Commodities is evaluating the use of two subsidiaries that own power generation in Georgia and Alabama.

[4] TMG subsidiaries own rail at some of its terminals, thus ownership of spur is not new activity.

Basis of Authority - Section 4(o)

Morgan Stanley will be engaging in this activity pursuant to Section 4(o) (the "Commodities Grandfather Clause"). Morgan Stanley was engaged in, and owned similar assets related to, the different elements of the project prior to becoming a financial holding company in September 2008.

- Morgan Stanley subsidiaries historically and currently buy, sell, and schedule compressed natural gas in pipelines and to power plants in the US and Europe, but at lower pressures than would be utilized in the ISO Container
- Morgan Stanley subsidiaries historically and currently buy, sell and transport liquefied natural gas (LNG)
- Ownership of compression and comparable units is not new to the firm, for example:
  - TransMontaigne subsidiaries historically and currently utilize compressors and own "bullet tanks" that store pressurized liquefied petroleum gas (LPGs)
- Morgan Stanley has established expertise in chartering and vetting marine transport.

Other Regulatory Matters

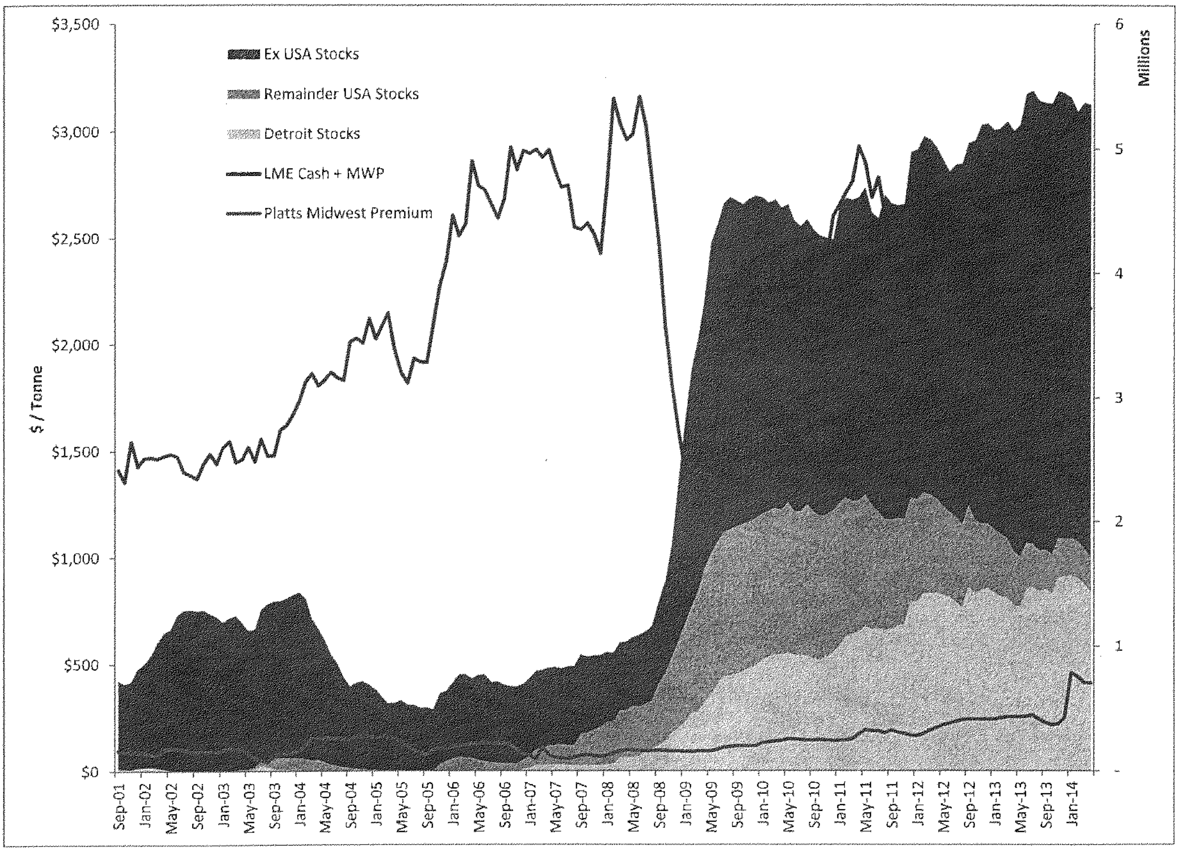
- The facilities and activities will be appropriately licensed
  - Department of Energy authorization will be needed to export CNG
  - Currently Federal Energy Regulatory Commission is not asserting jurisdiction over compression projects selling CNG in export transactions
  - All required state and local permits will be obtained

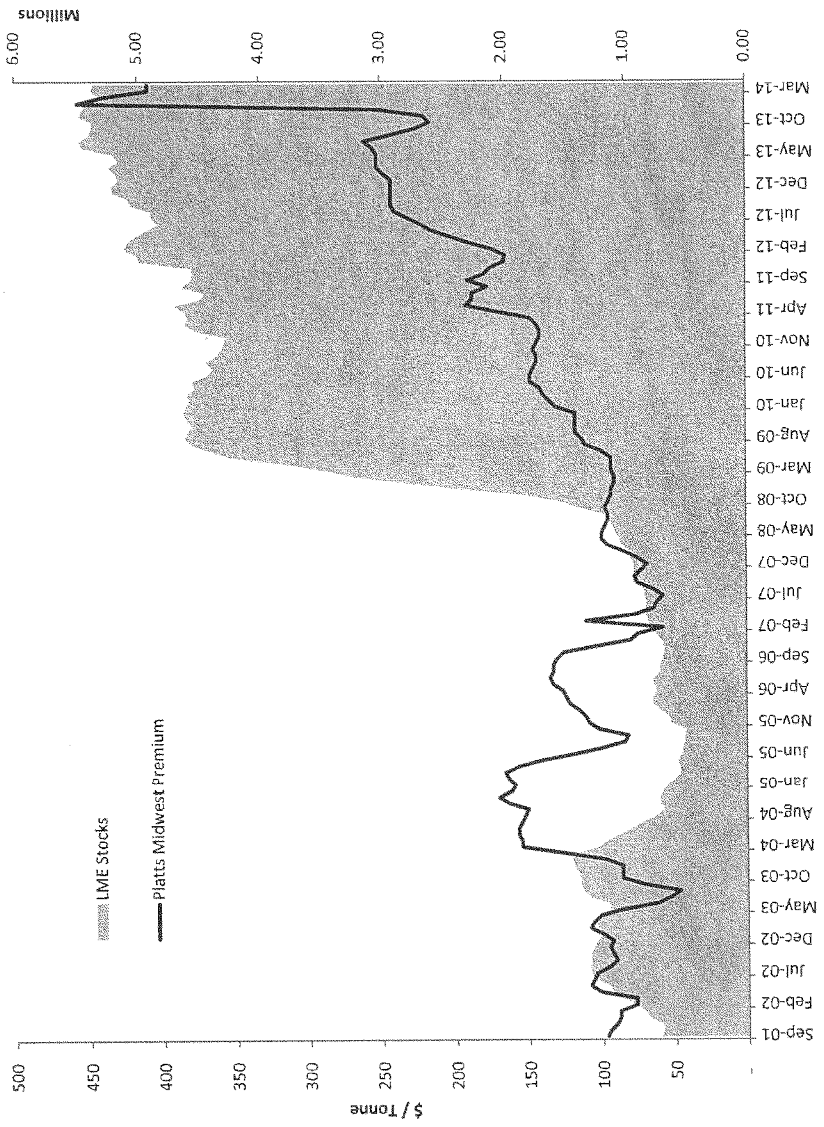
Date	LME STOCKS					PRICING			
	LME Stocks	Detroit Stocks	USA Stocks	Remainder USA Stocks	Ex USA Stocks	LME Cash	LME 3M	Platts Midwest Premium	LME Cash + MWP
9/28/2001	722,000.00	13,625.00	16,325.00	2,700.00	705,675.00	1,314.75	1,335.00	97	1,411.75
10/31/2001	699,200.00	12,550.00	14,375.00	1,825.00	684,825.00	1,259.75	1,279.00	95	1,354.55
11/30/2001	715,425.00	12,475.00	13,275.00	800.00	702,150.00	1,453.75	1,468.00	90	1,544.14
12/28/2001	821,250.00	25,475.00	26,200.00	725.00	795,050.00	1,339.50	1,355.00	88	1,427.68
1/31/2002	857,675.00	27,675.00	28,400.00	725.00	829,275.00	1,377.50	1,390.00	88	1,465.68
2/28/2002	928,450.00	29,375.00	30,100.00	725.00	898,350.00	1,392.00	1,400.50	77	1,469.16
3/28/2002	1,029,400.00	25,025.00	25,375.00	350.00	1,004,025.00	1,385.50	1,403.00	77	1,462.66
4/30/2002	1,111,325.00	15,275.00	15,275.00	-	1,096,050.00	1,375.50	1,396.00	101	1,476.91
5/31/2002	1,140,050.00	6,225.00	6,225.00	-	1,133,825.00	1,377.75	1,397.00	108	1,485.78
6/28/2002	1,254,450.00	2,700.00	2,700.00	-	1,251,750.00	1,368.60	1,388.00	106	1,474.42
7/31/2002	1,294,125.00	900.00	900.00	-	1,293,225.00	1,298.50	1,317.00	104	1,402.12
8/30/2002	1,300,325.00	425.00	425.00	-	1,299,900.00	1,292.25	1,311.00	95	1,387.05
9/30/2002	1,290,050.00	-	-	-	1,290,050.00	1,280.50	1,295.00	90	1,370.89
10/31/2002	1,298,400.00	-	-	-	1,298,400.00	1,346.00	1,350.00	93	1,438.59
11/29/2002	1,267,875.00	650.00	650.00	-	1,267,225.00	1,391.25	1,393.50	95	1,486.05
12/31/2002	1,242,700.00	650.00	650.00	-	1,242,050.00	1,346.65	1,350.00	93	1,439.24
1/31/2003	1,199,550.00	-	-	-	1,199,550.00	1,419.15	1,416.50	99	1,518.36
2/28/2003	1,232,100.00	-	-	-	1,232,100.00	1,440.75	1,420.00	108	1,548.78
3/31/2003	1,252,775.00	575.00	9,650.00	9,075.00	1,243,125.00	1,340.75	1,346.00	106	1,446.57
4/30/2003	1,194,025.00	2,675.00	16,375.00	13,700.00	1,177,650.00	1,359.75	1,369.00	101	1,461.16
5/30/2003	1,130,625.00	5,075.00	18,775.00	13,700.00	1,111,850.00	1,433.75	1,413.00	86	1,519.73
6/30/2003	1,142,200.00	15,375.00	29,075.00	13,700.00	1,113,125.00	1,388.00	1,365.00	62	1,449.73
7/31/2003	1,304,450.00	44,050.00	88,375.00	44,325.00	1,216,075.00	1,506.00	1,461.00	53	1,558.91
8/29/2003	1,348,050.00	34,700.00	84,925.00	50,225.00	1,263,125.00	1,432.00	1,429.00	46	1,478.30
9/30/2003	1,371,800.00	20,250.00	109,650.00	89,400.00	1,262,150.00	1,410.00	1,420.50	71	1,480.55
10/31/2003	1,373,775.00	13,700.00	109,275.00	95,575.00	1,264,500.00	1,514.25	1,520.00	86	1,600.23
11/28/2003	1,394,850.00	12,250.00	110,475.00	98,225.00	1,284,375.00	1,537.50	1,540.00	86	1,623.48
12/31/2003	1,423,225.00	11,175.00	107,375.00	96,200.00	1,315,850.00	1,588.75	1,600.00	86	1,674.73
1/30/2004	1,442,150.00	8,425.00	112,050.00	103,625.00	1,330,100.00	1,641.00	1,656.00	97	1,738.00
2/27/2004	1,393,675.00	2,725.00	102,675.00	99,950.00	1,291,000.00	1,704.75	1,724.50	123	1,828.21
3/31/2004	1,226,675.00	650.00	88,500.00	87,850.00	1,138,175.00	1,710.00	1,728.00	154	1,864.32
4/30/2004	1,148,300.00	500.00	95,900.00	95,400.00	1,052,400.00	1,655.00	1,670.00	154	1,809.32
5/28/2004	1,056,375.00	50.00	76,150.00	76,100.00	980,225.00	1,679.75	1,693.00	157	1,836.28
6/30/2004	940,200.00	-	54,150.00	54,150.00	886,050.00	1,716.00	1,722.00	157	1,872.53
7/30/2004	865,000.00	-	43,825.00	43,825.00	821,175.00	1,692.50	1,696.00	154	1,846.82
8/31/2004	753,850.00	-	30,975.00	30,975.00	722,875.00	1,681.75	1,697.00	152	1,833.87
9/30/2004	680,825.00	-	25,850.00	25,850.00	654,975.00	1,862.50	1,845.50	150	2,012.41
10/29/2004	711,175.00	-	21,925.00	21,925.00	689,250.00	1,867.00	1,817.00	163	2,030.14
11/30/2004	719,075.00	-	16,700.00	16,700.00	702,375.00	1,837.50	1,840.00	170	2,007.26

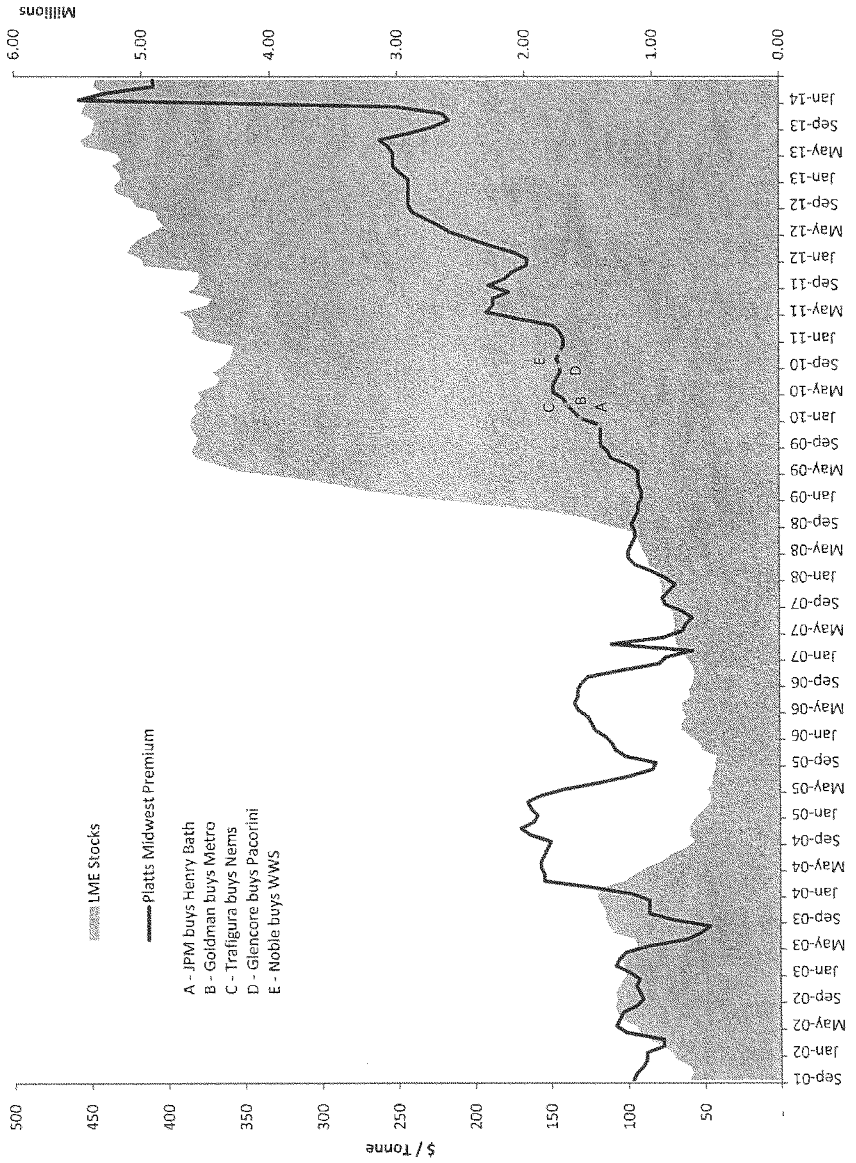
Date	LME Stocks	Detroit Stocks	USA Stocks	Remainder USA Stocks	Ex USA Stocks	LME Cash	LME 3M	Platts Midwest Premium	LME Cash + MWP
12/31/2004	692,775.00	-	12,275.00	12,275.00	680,500.00	1,962.50	1,958.00	161	2,123.44
1/31/2005	654,025.00	-	8,425.00	8,425.00	645,600.00	1,868.50	1,850.00	159	2,027.23
2/28/2005	599,225.00	-	6,400.00	6,400.00	592,825.00	1,927.00	1,911.00	163	2,090.14
3/31/2005	547,200.00	-	2,800.00	2,800.00	544,400.00	1,982.50	1,973.00	165	2,147.85
4/29/2005	549,450.00	-	2,650.00	2,650.00	546,800.00	1,819.25	1,822.00	157	1,975.78
5/31/2005	571,725.00	-	2,625.00	2,625.00	569,100.00	1,730.75	1,740.00	141	1,871.85
6/30/2005	535,525.00	-	2,625.00	2,625.00	532,900.00	1,703.00	1,719.50	119	1,822.05
7/29/2005	532,775.00	-	2,625.00	2,625.00	530,150.00	1,836.50	1,858.00	99	1,935.71
8/31/2005	510,400.00	-	2,625.00	2,625.00	507,775.00	1,835.25	1,853.00	84	1,919.03
9/30/2005	512,450.00	-	2,625.00	2,625.00	509,825.00	1,835.75	1,851.00	82	1,917.32
10/31/2005	497,125.00	-	-	-	497,125.00	1,992.00	1,984.00	101	2,093.41
11/30/2005	622,700.00	-	59,450.00	59,450.00	563,250.00	2,166.50	2,139.00	108	2,274.53
12/30/2005	643,700.00	-	80,050.00	80,050.00	563,650.00	2,280.25	2,277.00	110	2,390.48
1/31/2006	710,075.00	-	101,300.00	101,300.00	608,775.00	2,493.00	2,516.00	115	2,607.64
2/28/2006	775,525.00	-	113,700.00	113,700.00	661,825.00	2,390.50	2,420.00	121	2,511.75
3/31/2006	775,900.00	-	112,300.00	112,300.00	663,600.00	2,443.75	2,471.00	123	2,567.21
4/28/2006	740,225.00	-	105,100.00	105,100.00	635,125.00	2,736.00	2,755.00	126	2,861.66
5/31/2006	771,425.00	-	88,600.00	88,600.00	682,825.00	2,615.00	2,650.00	132	2,747.28
6/30/2006	773,850.00	-	79,275.00	79,275.00	694,575.00	2,590.50	2,630.00	134	2,724.98
7/31/2006	711,575.00	-	70,125.00	70,125.00	641,450.00	2,526.25	2,570.00	132	2,658.53
8/31/2006	717,100.00	-	65,300.00	65,300.00	651,800.00	2,461.75	2,505.00	132	2,594.03
9/29/2006	691,325.00	-	63,875.00	63,875.00	627,450.00	2,552.50	2,584.00	130	2,682.57
10/31/2006	681,050.00	-	63,100.00	63,100.00	617,950.00	2,800.00	2,790.00	126	2,925.66
11/30/2006	678,650.00	-	62,600.00	62,600.00	616,050.00	2,717.50	2,738.00	104	2,821.12
12/29/2006	698,425.00	15,050.00	92,650.00	77,600.00	605,775.00	2,831.00	2,803.00	79	2,910.37
1/31/2007	742,425.00	26,750.00	119,500.00	92,750.00	622,925.00	2,822.50	2,730.00	75	2,897.46
2/28/2007	803,300.00	44,725.00	174,100.00	129,375.00	629,200.00	2,860.00	2,815.00	57	2,917.32
3/30/2007	811,200.00	52,150.00	185,125.00	132,975.00	626,075.00	2,769.00	2,780.00	110	2,879.23
4/30/2007	826,525.00	52,425.00	203,850.00	151,425.00	622,675.00	2,836.00	2,860.00	77	2,913.16
5/31/2007	833,525.00	52,000.00	208,400.00	156,400.00	625,125.00	2,752.20	2,790.00	64	2,816.13
6/29/2007	823,625.00	52,050.00	214,450.00	162,400.00	609,175.00	2,675.75	2,725.00	62	2,737.48
7/31/2007	839,200.00	50,375.00	208,425.00	158,050.00	630,775.00	2,691.25	2,751.00	57	2,748.57
8/31/2007	839,625.00	47,125.00	204,100.00	156,975.00	635,525.00	2,487.25	2,544.00	64	2,551.18
9/28/2007	937,400.00	44,350.00	296,025.00	251,675.00	641,375.00	2,465.50	2,520.00	75	2,540.46
10/31/2007	918,250.00	44,700.00	311,700.00	267,000.00	606,550.00	2,492.75	2,545.00	77	2,569.91
11/30/2007	929,250.00	48,475.00	328,150.00	279,675.00	601,100.00	2,448.25	2,500.00	73	2,521.00
12/31/2007	929,450.00	48,350.00	354,150.00	305,800.00	575,300.00	2,358.25	2,409.00	68	2,426.59
1/31/2008	956,475.00	52,700.00	393,350.00	340,650.00	563,125.00	2,673.50	2,710.00	75	2,748.46
2/29/2008	947,425.00	58,925.00	397,275.00	338,350.00	550,150.00	3,070.00	3,106.00	84	3,153.78
3/31/2008	1,032,050.00	111,025.00	483,725.00	372,700.00	548,325.00	2,940.75	2,990.00	95	3,035.55

Date	LME Stocks	Detroit Stocks	USA Stocks	Remainder USA Stocks	Ex USA Stocks	LME Cash	LME 3M	Platts Midwest Premium	LME Cash + MWP
4/30/2008	1,038,950.00	112,025.00	491,100.00	379,075.00	547,850.00	2,861.25	2,907.00	99	2,960.46
5/30/2008	1,075,775.00	116,275.00	520,250.00	403,975.00	555,525.00	2,888.25	2,931.00	99	2,987.46
6/30/2008	1,093,175.00	121,500.00	517,025.00	395,525.00	576,150.00	3,065.00	3,114.00	97	3,162.00
7/31/2008	1,124,225.00	156,900.00	540,975.00	384,075.00	583,250.00	2,929.50	2,979.00	95	3,024.30
8/29/2008	1,169,650.00	182,325.00	564,550.00	382,225.00	605,100.00	2,664.25	2,714.00	95	2,759.05
9/30/2008	1,376,600.00	203,200.00	701,100.00	497,900.00	675,500.00	2,376.50	2,425.00	97	2,473.50
10/31/2008	1,528,400.00	242,575.00	778,225.00	535,650.00	750,175.00	1,989.00	2,040.00	95	2,083.80
11/28/2008	1,823,800.00	306,125.00	909,000.00	602,875.00	914,800.00	1,726.00	1,772.00	93	1,818.59
12/31/2008	2,338,300.00	342,925.00	1,040,300.00	697,375.00	1,298,000.00	1,507.75	1,540.00	93	1,600.34
1/30/2009	2,810,825.00	393,750.00	1,181,550.00	787,800.00	1,629,275.00	1,316.00	1,349.00	90	1,406.39
2/27/2009	3,226,700.00	459,500.00	1,316,775.00	857,275.00	1,909,925.00	1,308.50	1,342.00	90	1,398.89
3/31/2009	3,477,300.00	472,350.00	1,443,975.00	971,625.00	2,033,325.00	1,355.00	1,392.00	93	1,447.59
4/30/2009	3,792,300.00	548,625.00	1,625,350.00	1,076,725.00	2,166,950.00	1,459.50	1,494.00	93	1,552.09
5/29/2009	4,237,225.00	602,850.00	1,741,800.00	1,138,950.00	2,495,425.00	1,406.50	1,440.00	93	1,499.09
6/30/2009	4,394,825.00	696,650.00	1,839,400.00	1,142,750.00	2,555,425.00	1,596.75	1,630.00	99	1,695.96
7/31/2009	4,564,800.00	755,675.00	1,912,950.00	1,157,275.00	2,651,850.00	1,867.00	1,890.00	110	1,977.23
8/28/2009	4,612,950.00	763,275.00	1,936,975.00	1,173,700.00	2,675,975.00	1,867.00	1,899.50	112	1,979.44
9/30/2009	4,585,350.00	777,200.00	1,960,725.00	1,183,525.00	2,624,625.00	1,856.00	1,890.00	117	1,972.84
10/30/2009	4,555,525.00	799,425.00	1,979,425.00	1,180,000.00	2,576,100.00	1,875.25	1,908.00	117	1,992.09
11/30/2009	4,599,700.00	822,500.00	1,998,650.00	1,176,150.00	2,601,050.00	2,029.00	2,058.00	117	2,145.84
12/31/2009	4,624,425.00	847,425.00	2,026,450.00	1,179,025.00	2,597,975.00	2,197.00	2,230.00	117	2,313.84
1/29/2010	4,611,350.00	890,250.00	2,061,900.00	1,171,650.00	2,549,450.00	2,046.50	2,079.00	130	2,176.57
2/26/2010	4,570,075.00	919,625.00	2,086,875.00	1,167,250.00	2,483,200.00	2,102.00	2,134.00	134	2,236.48
3/31/2010	4,594,300.00	934,550.00	2,111,100.00	1,176,550.00	2,483,200.00	2,293.50	2,323.00	139	2,432.39
4/30/2010	4,529,550.00	935,825.00	2,094,800.00	1,158,975.00	2,434,750.00	2,225.00	2,255.00	141	2,366.10
5/28/2010	4,556,175.00	948,925.00	2,160,375.00	1,211,450.00	2,395,800.00	2,012.75	2,043.00	148	2,160.46
6/30/2010	4,422,025.00	930,325.00	2,083,200.00	1,152,875.00	2,338,825.00	1,951.25	1,977.50	148	2,098.96
7/30/2010	4,381,100.00	928,250.00	2,084,375.00	1,156,125.00	2,296,725.00	2,162.75	2,175.00	146	2,308.26
8/31/2010	4,435,475.00	926,600.00	2,140,300.00	1,213,700.00	2,295,175.00	2,042.25	2,058.00	143	2,185.55
9/30/2010	4,352,000.00	901,675.00	2,078,800.00	1,177,125.00	2,273,200.00	2,321.50	2,351.00	143	2,464.80
10/29/2010	4,306,350.00	889,025.00	2,045,875.00	1,156,850.00	2,260,475.00	2,316.00	2,344.00	146	2,461.51
11/30/2010	4,288,750.00	916,300.00	2,054,475.00	1,138,175.00	2,234,275.00	2,254.75	2,275.00	143	2,398.05
12/31/2010	4,274,975.00	943,625.00	2,094,350.00	1,150,725.00	2,180,625.00	2,460.75	2,470.00	141	2,601.85
1/31/2011	4,525,850.00	1,002,150.00	2,150,850.00	1,148,700.00	2,375,000.00	2,512.75	2,520.00	141	2,653.85
2/28/2011	4,606,625.00	1,082,625.00	2,200,650.00	1,118,025.00	2,405,975.00	2,569.25	2,600.00	143	2,712.55
3/31/2011	4,592,075.00	1,101,275.00	2,167,400.00	1,066,125.00	2,424,675.00	2,619.00	2,648.00	148	2,766.71
4/28/2011	4,611,375.00	1,113,425.00	2,171,350.00	1,057,925.00	2,440,025.00	2,758.75	2,767.50	170	2,928.51
5/31/2011	4,691,450.00	1,167,875.00	2,223,475.00	1,055,600.00	2,467,975.00	2,662.25	2,675.00	192	2,854.05
6/30/2011	4,487,600.00	1,137,950.00	2,137,000.00	999,050.00	2,350,600.00	2,503.25	2,532.00	187	2,690.64
7/29/2011	4,445,600.00	1,143,700.00	2,081,450.00	937,750.00	2,364,150.00	2,596.75	2,624.00	187	2,784.14

Date	LME Stocks	Detroit Stocks	USA Stocks	Remainder USA Stocks	Ex USA Stocks	LME Cash	LME 3M	Platts Midwest Premium	LME Cash + MWP
8/31/2011	4,632,525.00	1,135,475.00	2,021,000.00	885,525.00	2,611,525.00	2,430.75	2,469.00	177	2,607.56
9/30/2011	4,563,750.00	1,138,925.00	2,015,725.00	876,800.00	2,548,025.00	2,124.00	2,157.00	190	2,314.48
10/31/2011	4,548,025.00	1,166,800.00	2,028,900.00	862,100.00	2,519,125.00	2,196.50	2,218.00	179	2,375.71
11/30/2011	4,557,650.00	1,181,450.00	2,024,950.00	843,500.00	2,532,700.00	2,102.75	2,110.00	175	2,277.55
12/30/2011	4,978,750.00	1,365,900.00	2,195,375.00	829,475.00	2,783,375.00	1,994.50	2,020.00	165	2,159.85
1/31/2012	4,996,275.00	1,358,750.00	2,181,700.00	822,950.00	2,814,575.00	2,201.50	2,238.00	165	2,366.21
2/29/2012	5,103,000.00	1,429,800.00	2,240,275.00	810,475.00	2,862,725.00	2,285.50	2,328.00	174	2,459.25
3/30/2012	5,076,925.00	1,428,850.00	2,218,600.00	789,750.00	2,858,325.00	2,087.00	2,126.00	190	2,276.60
4/30/2012	5,014,500.00	1,432,150.00	2,188,675.00	756,525.00	2,825,825.00	2,078.75	2,119.00	202	2,280.75
5/31/2012	4,917,200.00	1,417,100.00	2,129,100.00	712,000.00	2,788,100.00	1,955.50	1,994.00	215	2,170.45
6/29/2012	4,822,650.00	1,399,550.00	2,078,300.00	678,750.00	2,744,350.00	1,875.75	1,911.00	223	2,098.42
7/31/2012	4,878,425.00	1,363,425.00	2,040,675.00	677,250.00	2,837,750.00	1,853.25	1,889.00	231	2,084.74
8/31/2012	4,884,950.00	1,317,125.00	1,972,325.00	655,200.00	2,912,625.00	1,883.75	1,902.00	240	2,123.75
9/28/2012	5,049,775.00	1,479,275.00	2,132,550.00	653,275.00	2,917,225.00	2,084.75	2,112.00	243	2,327.26
10/31/2012	5,071,475.00	1,426,575.00	2,013,950.00	587,375.00	3,057,525.00	1,877.50	1,906.00	243	2,120.01
11/30/2012	5,199,525.00	1,455,025.00	1,981,850.00	526,825.00	3,217,675.00	2,094.00	2,094.00	243	2,336.51
12/31/2012	5,210,350.00	1,471,700.00	1,981,850.00	510,150.00	3,228,500.00	2,041.00	2,073.00	243	2,283.51
1/31/2013	5,155,300.00	1,433,100.00	1,937,650.00	504,550.00	3,217,650.00	2,054.25	2,091.00	243	2,296.76
2/28/2013	5,172,550.00	1,403,500.00	1,900,300.00	496,800.00	3,272,250.00	1,961.75	2,005.00	248	2,209.77
3/28/2013	5,228,425.00	1,397,450.00	1,869,450.00	472,000.00	3,358,975.00	1,875.25	1,904.00	252	2,127.68
4/30/2013	5,152,825.00	1,337,800.00	1,765,000.00	427,200.00	3,387,825.00	1,832.25	1,870.00	252	2,084.68
5/31/2013	5,198,375.00	1,324,100.00	1,723,850.00	399,750.00	3,474,525.00	1,877.75	1,906.00	252	2,130.18
6/28/2013	5,450,175.00	1,460,550.00	1,832,500.00	371,950.00	3,617,675.00	1,729.75	1,773.00	256	1,985.49
7/31/2013	5,471,100.00	1,475,350.00	1,825,400.00	350,050.00	3,645,700.00	1,757.25	1,804.00	261	2,018.50
8/30/2013	5,392,475.00	1,447,300.00	1,773,050.00	325,750.00	3,619,425.00	1,766.00	1,813.50	243	2,008.51
9/30/2013	5,374,550.00	1,463,125.00	1,780,775.00	317,650.00	3,593,775.00	1,798.35	1,845.00	226	2,024.32
10/31/2013	5,368,950.00	1,427,650.00	1,742,300.00	314,650.00	3,626,650.00	1,814.75	1,859.00	216	2,030.80
11/29/2013	5,471,750.00	1,559,075.00	1,868,450.00	309,375.00	3,603,300.00	1,710.00	1,755.00	220	1,930.46
12/31/2013	5,451,800.00	1,562,025.00	1,865,375.00	303,350.00	3,586,425.00	1,754.75	1,800.25	251	2,005.53
1/31/2014	5,415,950.00	1,569,300.00	1,869,075.00	299,775.00	3,546,875.00	1,663.25	1,706.00	457	2,120.71
2/28/2014	5,303,825.00	1,554,125.00	1,847,125.00	293,000.00	3,456,700.00	1,711.15	1,754.00	441	2,151.70
3/31/2014	5,375,350.00	1,502,250.00	1,787,400.00	285,150.00	3,587,950.00	1,744.25	1,785.00	409	2,153.43
4/30/2014	5,359,475.00	1,442,450.00	1,718,375.00	275,925.00	3,641,100.00	1,756.25	1,800.00	410	2,165.76


$ / Tonne
$3,500
$3,000
$2,500
$2,000
$1,500
$1,000
$500
$0
Millions
6
5
4
3
2
1
-
Ex USA Stocks
Remainder USA Stocks
Detroit Stocks
LME Cash + MWP
Platts Midwest Premium
Sep-01
Jan-02
May-02
Sep-02
Jan-03
May-03
Sep-03
Jan-04
May-04
Sep-04
Jan-05
May-05
Sep-05
Jan-06
May-06
Sep-06
Jan-07
May-07
Sep-07
Jan-08
May-08
Sep-08
Jan-09
May-09
Sep-09
Jan-10
May-10
Sep-10
Jan-11
May-11
Sep-11
Jan-12
May-12
Sep-12
Jan-13
May-13
Sep-13
Jan-14


LME Stocks
Platts Midwest Premium
Millions
6.00
5.00
4.00
3.00
2.00
1.00
0.00
$ / Tonne
500
450
400
350
300
250
200
150
100
50
-
Sep-01
Feb-02
Jul-02
Dec-02
May-03
Oct-03
Mar-04
Aug-04
Jan-05
Jun-05
Nov-05
Apr-06
Sep-06
Feb-07
Jul-07
Dec-07
May-08
Oct-08
Mar-09
Aug-09
Jan-10
Jun-10
Nov-10
Apr-11
Sep-11
Feb-12
Jul-12
Dec-12
May-13
Oct-13
Mar-14


LME Stocks
Platts Midwest Premium
A - JPM buys Henry Bath
B - Goldman buys Metro
C - Trafigura buys Nems
D - Glencore buys Pacorini
E - Noble buys WWS
A
B
C
D
E
$ / Tonne
500
450
400
350
300
250
200
150
100
50
-
Millions
6.00
5.00
4.00
3.00
2.00
1.00
0.00
Sep-01
Jan-02
May-02
Sep-02
Jan-03
May-03
Sep-03
Jan-04
May-04
Sep-04
Jan-05
May-05
Sep-05
Jan-06
May-06
Sep-06
Jan-07
May-07
Sep-07
Jan-08
May-08
Sep-08
Jan-09
May-09
Sep-09
Jan-10
May-10
Sep-10
Jan-11
May-11
Sep-11
Jan-12
May-12
Sep-12
Jan-13
May-13
Sep-13
Jan-14

Comptroller of the Currency
Administrator of National Banks

Washington, D.C. 20219

July 23, 1982

The Office of the Comptroller of the Currency has approved the bank's application to establish an operating subsidiary to execute and clear futures contracts for affiliated and non-affiliated persons. This approval is granted with the following conditions:

(1) that the bank develop internal supervisory standards, acceptable to this Office, in areas such as, but not limited to, suitability, churning of accounts, best execution, segregation of customer funds, employee trading, employee compensation plans, transactions for portfolios of affiliated organizations, and credit resources available to customers from the bank and the FCM when loans are used to finance futures transactions;

(2) that the bank develop acceptable systems of internal control, audit and reporting;

(3) that the bank register with the Commodities Futures Trading Commission, any bank employee who will be engaged in cross selling banking and FCM services, accepting or soliciting customer orders for futures transactions that will be executed by the FCM, or accepting or transferring customer funds to the FCM in connection with futures transactions; and

(4) that the subsidiary obtain a letter of assurance, from any exchange of which it will be a member, that limits the clearing member liability to the capital of the operating subsidiary.

Please advise this Office of the date on which the subsidiary begins operation, and furnish us with its exact address, including street number and the corporate name.

Very truly yours,

Ballard C. Gilmore

Ballard C. Gilmore
Manager, Operations and Procedures
Bank Organization and Structure

Comptroller of the Currency
Administrator of National Banks

Washington, D.C. 20219

Letter No. 356
2/86 L131

12 USC 1971-1978
12 CFR 5.34
12 USC 24(7)
12 CFR 7.7376

January 7, 1986

William G. Foster, Jr.
President
Sovran Futures Corporation
Sovran Center
One Commercial Place
Post Office Box 600
Norfolk, Virginia 23501

Dear Mr. Foster:

This is in response to your letter of notification that Sovran Futures Corporation, an operating subsidiary of Sovran Bank, N.A. ("Bank"), wishes to function as a Futures Commission Merchant ("FCM") with respect to agricultural and metals futures. As an FCM, the subsidiary would solicit, accept, and execute customer orders for agricultural and metals futures. See 17 C.F.R. § 1.3(p); Markham & Gilberg, Federal Regulation of Bank Activities in the Commodities Markets, 39 Bus. Law 1719, 1748-1754 (Aug. 1984). Your letter of notication indicated that the subsidiary would not purchase and sell the subject futures for its own account. As you know, the Office previously advised the Bank that it could establish the operating subsidiary to act as an FCM with respect to financial, currency, stock index, and gold and silver bullion futures.

The National Bank Act provides that a national bank shall have the power:

> To exercise . . . all such incidental powers as shall be necessary to carry on the business of banking; by discounting and negotiating promissory notes, drafts, bills of exchange and other evidences of debt; by receiving deposits; by buying and selling exchange, coin and bullion; by loaning money on personal security. . . .

12 U.S.C. § 24(Seventh). A national bank may exercise its power to engage in activities that are a part of or incidental to the business of banking by means of an operating subsidiary. See 12 C.F.R. § 5.34(c). At issue, therefore, is whether the proposed FCM activities are permissible banking functions.

In my opinion, the performance of FCM functions for agricultural and metals futures is incidental to the business of banking when performed on behalf of bank loan customers who are engaging in the futures transactions to hedge risks underlying their loans from the bank. In reaching that conclusion, I have noted that futures are often used as a risk management tool to hedge against price and other risks incurred in the cash markets for commodities. When the party at risk is a bank borrower, the borrower's cash market risks are often reflected as credit risks to the bank where the cash market volatility might affect the borrower's repayment ability, the value of loan collateral, or otherwise affect the quality of the bank's loan. As a result, banks often advise, or in some cases require, their loan customers to hedge against risks underlying their loans by engaging in futures transactions. By acting as FCMs, banks would thereby provide useful and convenient means by which their credit risks can be alleviated. Consequently, performing FCM business in agricultural and metal futures for loan customers' hedging transactions represents a convenient and useful adjunct to banks' express lending power and is therefore incidental to the business of banking. *See Independent Bankers Association v. Heimann*, 613 F.2d 1164, 1170 (D.C. Cir. 1979), *cert. denied*, 449 U.S. 823 (1980) (analogous finding that banks may sell credit life insurance to loan customers to protect the banks' loans pursuant to the incidental powers clause.) *See also Arnold Tours v. Camp*, 472 F.2d 427 (1st Cir. 1972); *M & M Leasing v. Seattle First National Bank*, 563 F.2d 1377 (9th Cir. 1977) (endorsing use of "convenient and useful" standard to determine whether an activity is incidental to the business of banking). The operating subsidiary of the Bank may accordingly execute orders for agricultural and metals futures contracts provided that the execution of such contracts is limited to hedging transactions in connection with loans to Bank customers.

The Bank should take precautions, however, not to violate the anti-tying provisions of the banking laws. Twelve United States Code section 1972 provides, in pertinent part:

> (1) A bank shall not in any manner extend credit, lease or sell property of any kind or furnish any service, or fix or vary the consideration for any of the foregoing, on the condition or requirement --
>
> (A) that the customer shall obtain some additional credit, property or service from such bank other than a loan, discount, deposit or trust service;
>
> (B) that the customer shall obtain some additional credit, property, or service from a bank holding company of such bank or from any other subsidiary of such bank holding company.

These provisions were enacted to prevent banks from engaging in tying arrangements -- in other words, conditioning the offering of a service to a customer on his use of other bank services. A limited exception to the tying provisions was created for "traditional banking practices" -- loans, discounts, deposits, and trust services. S. Rep. No. 1084, 91st Cong., 2d Sess., reprinted in 1970 U.S. Code Cong. & Ad. News 5519, 5535. Since the offering of FCM services does not fall within the limited exception for traditional banking services, if the Bank were to condition its loans on the use of its subsidiary's futures services, the practice would run afoul of section 1972. However, the anti-tying provisions do not prevent the Bank from requiring borrowers to hedge their loans as long as the requirement is based on credit factors. If the Bank does require a borrower to hedge his loan, it cannot require the borrower to use the Bank's FCM. However, as long as the Bank does not require its borrowers to use its FCM, but merely offers this service to them it will not have violated 12 U.S.C. § 1972.

Accordingly, the Bank's operating subsidiary may act as an FCM to execute futures contracts in agricultural and metals futures solely to hedge risks associated with the Bank's lending transactions. In doing so, the Bank must be careful not to violate the anti-tying provisions of the banking laws.

Sincerely,

Michael A. Mancusi

Michael A. Mancusi
Senior Deputy Comptroller
for National Operations

Comptroller of the Currency
Administrator of National Banks

Washington, D.C. 20219

November 7, 1986

```
********************************
* Interpretive Letter No. 372 *
* December 1986               *
*                              *
*            12 USC 24(7)      *
********************************
```

Mr. Paul K. Johnson
Senior Attorney
The First National Bank of Chicago
One First National Plaza
Chicago, Illinois 60670

Dear Mr. Johnson:

This is in response to your October 3, 1985, notification that First Chicago Futures, Inc. ("FCFI"), an operating subsidiary of the First National Bank of Chicago ("Bank"), wishes to act as a broker-dealer and market maker of exchange-traded options on foreign currencies so that it can execute trades for its own account, for the account of the Bank, and for the account of customers. FCFI will register as a market maker with the Chicago Board of Options Exchange ("CBOE") and as a Registered Options Trader ("ROT") with the Philadelphia Stock Exchange ("Phlx"). The functions of a market marker and those of an ROT are identical. In addition, FCFI will join The Options Clearing Corporation so that FCFI can clear its own trades with CBOE and Phlx. FCFI's activities in CBOE, Phlx and The Options Clearing Corporation will necessitate FCFI's registration with the Securities and Exchange Commission as a broker-dealer as well as membership in the National Association of Securities Dealers. The proposed new activity will be conducted at the existing premises of FCFI in Chicago.

In a letter dated October 18, 1985, you responded to our question about the scope of liability to which FCFI and the Bank might become subject as a consequence of FCFI's proposal to join the CBOE. When FCFI becomes a clearing member of The Options Clearing Corporation, it becomes subject to the by-laws and rules of The Options Clearing Corporation, including those establishing its clearing fund. You explained that the responsibilities and contractual duties set forth in the by-laws and rules apply only to a clearing member and not its parent corporation. Accordingly, under the by-laws and rules, a parent corporation is not responsible to the Options Clearing Corporation for the obligations of its subsidiary clearing member. Therefore, the Bank will not be responsible for obligations incurred by FCFI in connection with its exchange membership. The Bank's exposure will be limited to the amount of capital it invests in FCFI.

For the reasons given below, FCFI may engage in the proposed activity. Pursuant to express authorization in 12 U.S.C. § 24(Seventh), national banks can engage in the business of "buying and selling exchange, coin, and bullion" without limitation. The trades can be for a bank's own account or for customers. Incidental to this express authority, national banks can buy and sell options on foreign currencies, i.e., exchange, for themselves and for customers. Since an operating subsidiary can engage in any activity which its parent bank can do directly, an operating subsidiary can buy and sell options on foreign currencies for the account of the bank and for other affiliated and unaffiliated customers. Indeed, the OCC has already ruled favorably on the question. OCC News Release, NR 83-36, May 13, 1983 [1983-84 Transfer Binder] Fed. Banking L. Rep. (CCH) ¶ 99,554, (Provident National Bank, Bryn Mawr, Pennsylvania, can engage in trading of foreign currency options through an operating subsidiary for the bank's account and for customers). Cf. Interpretive Letter No. 260, June 27, 1983, [1983-1984 Transfer Binder] Fed. Banking L. Rep. (CCH) ¶ 85,424 (It is permissible for a national bank to buy and sell, for its own account, financial options on bank-eligible fixed-income securities within limits patterned after Banking Circular 79 [3rd Rev. April 19, 1983]). This Office has likewise approved a national bank subsidiary's activities as a market maker on an exchange. Letter from Michael Patriarca, Deputy Comptroller for Multinational Banking, January 11, 1984, to a national bank.

Having approved FCFI's proposal to buy and sell options on foreign currencies and to conduct market making activities, as discussed above, we see no problem with FCFI's activities as a clearing member of The Options Clearing Corporation. The OCC has previously approved a national bank subsidiary's request to clear its own trades in connection with an approval to buy and sell options for its own account, for the parent bank and for customers. See Letter from Michael Patriarca, cited above. Our initial concern about the possible liability of the Bank should FCFI operate as a clearing member has been satisfactorily addressed by you. However, if there is any change with respect to the Bank's potential liability as regards FCFI's activities as a member of CBOE or Phlx, we ask that you notify this Office immediately.

Very truly yours,

Judith A. Walter
Senior Deputy Comptroller
for National Operations

nptroller of the Currency
ninistrator of National Banks

shington, D.C. 20219

Interpretive Letter No. [redacted]
May 1987
12 CFR 5.34
12 USC 24(7)
12 USC 84
12 CFR 7.7380

December 29, 1986

Mr. Richard S. Brennan
Executive Vice President and General Counsel
Continental Illinois National Bank
and Trust Company of Chicago
231 LaSalle Street
Chicago, Illinois 60697

Dear Mr. Brennan:

This Office has completed its review of the Bank's proposal, filed on October 15, 1986, to establish a wholly-owned operating subsidiary through the acquisition of First Options of Chicago, Inc. ("First Options"), a registered broker-dealer and Futures Commission Merchant. By letter dated November 12, 1986, the Bank was advised by Emory W. Rushton, then Acting Deputy Comptroller for Multinational Banking, that the 30-day period for review was being extended pending a final review of the legality of the proposed activities of the subsidiary.

Based on the Bank's notice filed pursuant to 12 C.F.R. § 5.34(d)(1)(i) and subsequent communications with Mayer, Brown and Platt, counsel to the Bank, our understanding of the proposed subsidiary and its activities is as follows: The Bank proposes to acquire 100% of the issued and outstanding shares of First Options, a Delaware corporation, which has been in business since 1971. First Options' executive offices are located in Chicago, and it also has offices in New York, Philadelphia, and San Francisco.1/ First Options is

---

1/ First Options also has a wholly-owned English subsidiary, FOC, Ltd., which the Bank's Edge Act affiliate proposes to

(Footnote continued on next page)

registered as a broker-dealer with the Securities and Exchange Commission ("SEC") and as a Futures Commission Merchant ("FCM") with the Commodities Futures Trading Commission ("CFTC"). First Options is a clearing member of six national securities exchanges ("Securities Exchanges") and three commodities exchanges ("Commodities Exchanges"), which are subject to regulation by the SEC and the CFTC, respectively.2/ Accordingly, First Options is a clearing member of the clearing houses or clearing corporations associated with each of these exchanges, including the Options Clearing Corporation, which is the clearing corporation for all exchange traded options.

As broker and FCM, First Options' primary business is the performance of execution and clearance services in connection with its clients' transactions in the over-the-counter market, and on the exchanges of which it is a member. First Options currently executes and clears transactions in the following securities and financial instruments traded on the Securities Exchanges and in the over-the-counter market: common stocks, options on common stocks, options on stock indices, U.S. government securities, options on U.S. government securities, foreign currencies, and options on foreign currencies. First Options also executes and clears transactions in the following instruments traded on the Commodities Exchanges: futures contracts on U.S. government securities, stock indices, municipal bond indices, gold, silver, foreign currencies, certificates of deposit, three-month Eurodollars and agricultural commodities, as well as options on futures contracts for foreign currencies, U.S. government securities, and agricultural commodities. First Options anticipates that it will execute and clear transactions for customers in the future in new products to be introduced by the various securities and commodities exchanges, subject to Office approval. After the proposed acquisition by the Bank, it is our understanding that First Options will not engage in any trading in any securities or commodities for its own account.

(Footnote continued from previous page)
acquire, subject to the approval of the Federal Reserve Board under Regulation K, 12 C.F.R. Part 211.

2/ The securities exchanges of which First Options is a member are the Chicago Board Options Exchange, the New York Stock Exchange, the American Stock Exchange, the Midwest Stock Exchange, the Pacific Stock Exchange, and the Cincinnati Stock Exchange. The commodities exchanges are the Board of Trade of the City of Chicago, the Chicago Mercantile Exchange, and the Philadelphia Board of Trade.

In addition to providing execution and clearance services, First Options provides margin financing to its clients who trade in securities and securities options. Except under limited circumstances, First Options does not finance its clients' futures trading. First Options also engages in securities borrowing and lending, upon the request of its clients who wish to borrow particular securities. In addition, in some instances, First Options guarantees loans to its clients to acquire exchange seats and also holds seats on certain of the Securities and Commodities Exchanges for the purpose of leasing them to clients.

First Options' customers are primarily traders (including market makers, specialists and floor traders) who are, in some cases, members of the Securities and Commodities Exchanges, and who trade exclusively for their own accounts. First Options also provides clearing and execution services to other broker/dealers which are trading for their own accounts, and for the accounts of customers, and to financial institutions. Depending upon a customer's needs and ability to meet First Options' credit and collateral requirements, First Options provides different services to different customers, although it does not provide financing to any customer whose transactions it does not clear. Thus, for some customers First Options only executes and clears, and for any clearance customer it may or may not provide margin financing.

As an organization engaged in the clearance and settlement of securities transactions, First Options is subject to regulatory and exchange requirements to obtain margin and capital deposits from traders and other firms in an amount sufficient to collateralize fully the margin credit extended. First Options is also subject to the minimum capital requirements of the SEC and the various clearing houses of the Commodities Exchanges. Further, under the rules of most clearing corporations, First Options is required to maintain margin and make deposits to a general guaranty fund. This guaranty fund is used to satisfy the outstanding obligations of any clearing member which defaults on its obligations, and whose margin, capital, and own guaranty fund deposits are insufficient to fully satisfy its debts.

It is the Bank's position that all of the services to be performed by First Options after the proposed acquisition are services which national banks and their operating subsidiaries are authorized to perform under 12 U.S.C. § 24 (Seventh). As discussed below, this Office concurs with the Bank's view that the proposed activities of First Options (except as otherwise noted) are permissible activities for national banks under the national banking laws.

It is established that national banks may provide brokerage services to their customers under Section 16 of the

Glass-Steagall Act, 12 U.S.C. § 24 (Seventh), which states, in relevant part, that "the business of dealing in securities and stock ... shall be limited to purchasing and selling such securities and stock without recourse, solely upon the order, and for the account of customers ...." *See Securities Industry Association v. Comptroller of the Currency*, 758 F.2d 739 (D.C. Cir. 1985), *cert. denied*, 106 S. Ct. 790 (1986), *cert. granted*, 106 S. Ct. 1259 (1986). In addition, national banks have express power under 12 U.S.C. § 24 (Seventh) to buy and sell "exchange, coin and bullion," which authorization is considered to encompass transactions for a bank's own account and for the accounts of its customers. *See*, *e.g.*, Interpretive Letter No. 372 (to be published), Fed. Banking L. Rep. (November 7, 1986). This Office has determined that national banks may also purchase and sell for their customers options on securities, stock indices, and foreign currency as an incident to their trading, investment, and brokerage powers with respect to the underlying financial instruments. *See*, *e.g.*, Interpretive Letter No. 326, *reprinted in* [Current Developments] Fed. Banking L. Rep. (CCH) ¶ 85,496 (January 17, 1985); Interpretive Letter No. 357, *reprinted in* [Current Developments] Fed. Banking Law R. (CCH) ¶ 85,527 (February 26, 1986); Interpretive Letter No. 372, *supra*.[3]

Similarly, national banks are permitted to purchase and sell financial futures and other commodity futures contracts, as registered FCMs, for their customers, as an incidental power under 12 U.S.C. § 24 (Seventh). Moreover, national banks may execute, as FCMS, transactions in most types of financial futures contracts for their customers, including certificates of deposit and stock index futures, as well as futures contracts in gold and silver bullion. *See* unpublished letter from Ballard Gilmore, Bank Organization and Structure, July 23, 1982; unpublished letter from Michael Mancusi, Senior Deputy Comptroller for National Operations, July 30, 1984; Interpretive Letter No. 365, *reprinted in* [Current Developments] Fed. Banking L. Rep. (CCH) ¶ 85,535 (August 11,

---

[3] Options on financial instruments (other than financial futures contracts) are generally considered securities for purposes of the securities laws. *See* 15 U.S.C. § 77(b)(1), *amended by* Pub. L. No. 97-303, 96 Stat. 1409 (Oct. 13, 1982). While we are not of the view that options generally are securities for Glass-Steagall purposes, assuming arguendo that they were treated as securities for such purposes, national banks would be expressly authorized under 12 U.S.C. § 24 (Seventh) to purchase and sell options as agents for their customers in any case. *See* Interpretive Letter No. 326, *supra*; Interpretive Letter No. 357, *supra*.

1986). Further, in Interpretive Letter No. 357, *supra*, the Office approved the expansion of a national bank operating subsidiary's FCM activities to include the execution of transactions in options on financial futures contracts, and, in a subsequent authorization, options on foreign currency futures. *See* Interpretive Letter No. 365, *supra*.

National banks and their operating subsidiaries are authorized to execute transactions in options and futures contracts for the account of customers, as long as the bank may execute transactions in the underlying financial instrument or product for the account of its customers. The purchase and sale of options and futures contracts for customers can be seen as an integral adjunct to the national bank's power to buy and sell the item for customers, and is therefore incidental to banking within the meaning of 12 U.S.C. § 24 (Seventh). With the exception of transactions in agricultural futures contracts and options on agricultural futures, all of the transactions which First Options executes and clears for its customers involve financial instruments that are based on other financial instruments or commodities which could themselves be purchased by the bank for customers.4/ Therefore, with respect to transactions in these instruments, it appears that First Options would be authorized, as a national bank operating subsidiary, to perform brokerage and FCM services for its customers.

In the past, however, this Office has permitted a national bank's operating subsidiary to execute transactions in futures contracts for agricultural commodities only on behalf of the bank's loan customers, and for the sole purpose of hedging risks associated with the customers' loans from the bank. *See*

4/ This Office has not explicitly considered whether national banks may perform FCM services for customers' transactions in futures contracts on three-month Eurodollars and municipal bond indices. Under the above line of reasoning, since national banks may buy and sell for the accounts of their customers both Eurodollar instruments and the municipal bonds on which a municipal bond index is based, they are also authorized under 12 U.S.C. § 24 (Seventh) to buy and sell for their customers futures contracts based on these underlying products. With respect to the execution and clearance of transactions in gold and silver futures, the Bank is advised that this activity is permitted only to the extent that the underlying gold or silver products are eligible for purchase by national banks. *See* Banking Circular No. 58, November 3, 1981 (Rev.) (defining scope of the terms "coin and bullion" as used in 12 U.S.C. § 24 (Seventh)).

Interpretive Letter No. 356, reprinted in [Current Developments] Fed. Banking L. Rep. (CCH) ¶ 85,526 (January 7, 1986). The performance of the FCM function with respect to agricultural futures has been considered a convenient and useful adjunct to the bank's lending powers, and therefore incidental to the business of banking. Outside of this limited context, however, this Office is not yet persuaded that national banks are authorized to execute transactions for their customers in agricultural futures contracts or options thereon.

Securities and Commodities Exchange and Clearing Corporation Membership

As indicated, First Options' primary business involves both the execution and clearance of transactions in securities, options, and futures. In order to perform these services, First Options is a clearing member of several national securities exchanges and commodities exchanges. Both clearance and execution are essential to the process of buying and selling financial instruments on exchanges and in the over-the-counter market. Execution, in the context of trading on a securities or commodities exchange or in the over-the-counter market, is merely the act of buying and selling financial instruments on the exchange floor or through use of an automatic execution service. Clearance is the process of recording a transaction, after execution, and then reporting it to the exchange and the appropriate clearing house for settlement. Absent execution and clearing capabilities, a broker's services are limited to placing its customers' buy or sell orders with an execution and clearing firm.

Membership on a national securities exchange enables a broker to execute transactions on the exchange on behalf of its customers. As such, securities exchange membership can be considered convenient and useful to the conduct of a bank's brokerage business. For this reason, after determining that membership on a securities exchange for the purpose of performing permissible actions is not prohibited by the Glass-Steagall Act, this Office has previously determined that national banks may become members of national securities exchanges, pursuant to the incidental powers clause of 12 U.S.C. § 24 (Seventh). See Decision of the Comptroller of the Currency on the Application by Security Pacific National Bank to Establish an Operating Subsidiary to be known as Security Pacific Discount Brokerage Services, Inc. (hereinafter "Security Pacific"), reprinted in [1982-1983 Transfer Binder] Fed. Banking L. Rep. (CCH) ¶ 99,284 (August 26, 1982). See also Arnold Tours, Inc. v. Camp, 472 F.2d 427 (1st Cir. 1972) (an activity is "incidental to banking" for purposes of 12 U.S.C. § 24 (Seventh) when it is "convenient and useful" to the performance of an expressly authorized bank power); M & M Leasing Corp. v. Seattle First National Bank, 563 F.2d 1377

Concerning an Application by American National Bank of Austin, Texas, to Establish an Operating Subsidiary to Provide Investment Advice, reprinted in [1983-1984 Transfer Binder] Fed. Banking L. Rep. (CCH) ¶ 99,732 (September 2, 1983). Indeed, the Second Circuit in Securities Industry Association v. Board of Governors, 716 F.2d 92 (1983), aff'd, 468 U.S. 207 (1984), has recently concluded that "[a broker] does not enter into contracts that obligate it to 'assume' ultimately its brokerage customers' risks; on the contrary, it retains full power to bring actions for breach of contract against customers who fail to pay for or deliver securities." Id. at 100 n.4. See also Securities Industries Association v. Comptroller of the Currency, 577 F. Supp. 252 (D.D.C. 1983), aff'd, 758 F.2d 739 (D.C. Cir. 1985), cert. denied, 106 S. Ct. 790 (1986) (securities brokerage), cert. granted, 106 S. Ct. 1259 (1986) (branching issue).

It is clear that whether the bank's operating subsidiary is liable as broker to its clearing firm or as clearing broker to its clearing corporation, the ultimate liability and investment risk for all trades lies with the customer, against whom an action for recovery may be maintained. We therefore do not consider the clearing member's "guarantee" of its customers' trades to the clearing corporation to violate the "without recourse" provision of Section 16.[6] See, Awotin v. Atlas Exchange National Bank, supra, 295 U.S. at 212.

6/ Because First Options is subject to the credit risk of its execution and clearance customers (whether or not it also provides their financing), the firm performs a daily or intra-daily risk analysis of each account and requires that collateral be pledged and maintained at least at a level sufficient to support the client's total exposure. If at any time First Options determines that a client's overall positions threaten his ability to meet all his obligations to the firm, in accordance with its client account agreement, First Options is permitted to trade the account in order to close it out. In order to neutralize risk during the liquidation process, and when necessary to avoid disruption to the market, First Options may open positions for the account after having obtained the permission of the exchange. These positions will be closed out at the first opportunity, and all gain or loss remains with the account of the client. This raises the question of whether this practice violates the requirement in Section 16 that a bank's purchase and sale of securities be "solely upon the order" of customers. We do not believe this is the case. The customer consents to this provision as a condition of First Options' agreement to execute and/or clear his transactions.

(Footnote continued on next page)

Assuming that clearing member's liability is even relevant to the legal discussion, for the same reasons, we do not believe that a clearing member's contingent liability for the obligations of other clearing members is prohibited. The clearing member who defaults on its obligations to the clearing corporation still remains liable to the corporation. It is our understanding that should the clearing corporation recover any amount of its claim, the other clearing members, including First Options, are entitled to reimbursement to the extent of any assessments made. Accordingly, we are satisfied that First Options, as a national bank operating subsidiary, may become a member of the various securities and commodities clearing corporations consistent with the provisions of the Glass-Steagall Act, under the incidental powers clause of 12 U.S.C. § 24 (Seventh).[7] This conclusion is in accordance with previous Office determinations that national bank

---

(Footnote continued from previous page)
First Options' ability to take over an account for the purpose of liquidating it, after determining the existence of an unacceptable risk of default, is analogous to a lender's right to take possession of a borrower's collateral, in anticipation of default, in order to protect its value and liquidate it. This principle applies equally to securities collateral: margin securities, after all, can be liquidated by a bank if the borrower defaults. This practice simply allows First Options, as a creditor, the same opportunity to reduce its own risk of loss when faced with a client who has become a bad credit risk. Therefore, we do not believe that this aspect of First Options' customer relationships results in a violation of Section 16.

[7] First Options' liability on behalf of other clearing members is also consistent with the requirements of the Comptroller's Interpretive Ruling 7.7010, 12 C.F.R. § 7.7010. This Interpretive Ruling provides that a bank may lend its credit or otherwise become a guarantor if it has a substantial interest in the performance of the transaction involved, or has a segregated deposit sufficient in an amount to cover the bank's total potential liability. First Options has a substantial interest in performing all of its obligations to the clearing corporations, in order to retain its ability to provide clearing broker and FCM services to its customers. Cf. unpublished letter from J. T. Watson, supra (bank operating subsidiary may incur liability of clearing member to commodities exchanges, consistent with Interpretive Ruling 7.7010, because of bank's substantial interest in saving brokerage commissions).

brokerage and FCM subsidiaries may become members of clearing corporations and perform clearance services in connection with their customers' transactions in securities, options, financial futures contracts and options on financial futures. See unpublished letter from Ballard Gilmore, supra; unpublished letter from Fred Finke, supra; Decision of the Comptroller in Security Pacific, supra; Interpretive Letter No. 372, supra.8/

Extension of Credit

First Options provides margin financing to its trading customers, subject to the Federal Reserve Board's margin credit regulations (Regulation T, 12 C.F.R. § 220.4) and First

---

8/ The membership requirements of the Chicago Board of Trade Clearing Corporation (BTCC) raise a separate question under the Glass-Steagall Act. Unlike the other clearing corporations of which First Options is a member, the BTCC does not require its members to make deposits to a guaranty fund. Instead, each member is required to purchase stock in the BTCC, in proportion to the volume of its business on the BTCC. The price of the stock is fixed by the BTCC's Board of Directors. This stock is held as security for the member's obligation to the BTCC, but the BTCC By-Laws do not provide for assessments to be made against any clearing member to cover losses due to another member's default. The Glass-Steagall Act generally prohibits national banks from purchasing corporate stock for their own accounts. In the past, under limited circumstances, this Office has approved national banks' equity investments in certain corporations for the purpose of performing otherwise permissible banking activities, when the investment did not present any speculative features. See unpublished letter from Richard V. Fitzgerald, Director, Legal Advisory Services Division, August 18, 1980. Indeed, this Office has already determined that national banks may own stock in the user-owned Depository Trust Company of New York, to permit their participation in the securities depository services of this clearing agency. See unpublished letter from John E. Shockey, Deputy Chief Counsel, December 19, 1975. It seems clear that the purchase of BTCC stock by a national bank's FCM subsidiary would not be motivated at all by an investment purpose, but is instead the only means of obtaining membership in this clearing corporation. As this Office has determined that the provision of clearance services to FCM customers is an authorized activity for national banks, we conclude that the acquisition of stock in the BTCC is appropriate in this context in order that the Bank may provide clearing services to its customers.

Options' own internal requirements.[9] It is our understanding that in making a decision whether to finance a customer's trades, First Options performs a credit analysis, focusing on the required margin for the specific positions financed and the customer's total obligations to the firm. Each trader's account is marked to market and subjected to a risk analysis by First Options on at least a daily basis, to determine whether additional collateral is required and whether a customer seeking additional financing meets First Options' credit requirements. First Options provides financing only to customers for whom it also clears, but margin credit will not be extended unless the customer meets First Options' margin and collateral requirements for the particular positions financed. First Options and the Bank will aggregate financing to any joint customers on a daily basis to insure compliance with the lending limits established in 12 U.S.C. § 84.

This Office has previously permitted the brokerage subsidiaries of national banks to engage in margin lending, provided that the loans are made only from branch offices, and that all non-branch office activities are conducted within the parameters of the Comptroller's Interpretive Ruling 7.7380, 12 C.F.R. § 7.7380. See Comptroller's Decision in Security Pacific, supra; Interpretive Letter No. 326, supra. Lending money, of course, is an expressly authorized power of national banks under 12 U.S.C. § 24 (Seventh). In addition, both banks and brokers have traditionally engaged in margin lending, i.e., the extension of credit secured by stock or other collateral for the purpose of purchasing or carrying securities. See BankAmerica Corporation, 69 Fed. Res. Bull. 105, 108 (February 1983) (the underlying margin credit activity performed by banks, subject to Regulation U, and brokers, subject to Regulation T, is functionally the same). While this Office has not had occasion to consider the legality of a national bank subsidiary extending credit, as FCM, to finance customer trades in permissible commodities contracts, this activity, which First Options engages in to a limited extent, is clearly encompassed by the express lending powers of national banks.

With regard to the branching restrictions of the National Bank Act, 12 U.S.C. §§ 36 and 81, commonly known as the McFadden Act, the Bank states that First Options will limit its non-branch office activities in connection with margin lending to the performance of tasks associated with loan origination, consistent with Interpretive Ruling 7.7380. See Interpretive Letter No. 88, reprinted in [1978-1979 Transfer Binder] Fed.

---

[9] Except in one situation, First Options does not finance its customers' futures trading.

Banking L. Rep. (CCH) ¶ 85,155 (January 31, 1979) (identifying permissible loan solicitation and origination activities within the scope of the Interpretive Ruling). Thus, while these offices may solicit lending business, provide information as to loan rates and terms, and interview and counsel customers regarding credit and other applications, all loan applications will be transmitted for processing to First Options' executive offices in Chicago, from which any credit will be extended. The Bank represents that under Illinois law it would be permitted to establish a branch at First Options' Chicago office, and that appropriate steps have been taken to secure approval of this Chicago office as a Bank branch. This Office is satisfied, given these facts and representations, that First Options' margin lending activities therefore will not violate the McFadden Act.

Securities Lending

First Options also engages in securities lending and borrowing as part of its brokerage business. This activity is conducted in the following manner: When a client asks to borrow a particular security, usually in connection with short sales of securities, First Options either borrows the security from another of its clients or, if the security is not available from this source, locates a third party broker-dealer from whom the security can be borrowed. First Options then relends the security to the client who has requested it, and the loan is secured, generally by the cash obtained from the client's short sale. Both the security and the collateral are marked to market daily, and the collateral must be adjusted as the value of the security lent increases. The client/borrower eventually purchases the security and repays it to First Options, who in turn repays the owner of the security. First Options never obtains title to, or ownership of, the securities. First Options always relends the securities at a higher rate than its borrowing cost, and thus the activity is structured to generate net interest income.

It is an established practice for national banks to lend either their own investment or trading account securities, or their customers' securities held in custody, safekeeping, trust, or pension accounts. See, e.g., unpublished letter from Peter Liebesman, Assistant Director, Legal Advisory Services Division, October 22, 1986 (concluding that national bank offering securities lending program to its trust customers may indemnify its trust customers/securities owners for all losses arising out of the securities borrowers' conduct). In Banking Circular No. 196 (May 7, 1985), this Office recognized the increased involvement of national banks in securities lending and adopted the Federal Financial Institutions Examination Council's supervisory policy on this activity. In addition, broker-dealers regularly engage in securities lending and borrowing subject to the requirements of Regulation T, 12 C.F.R. § 220.16, as to acceptable collateral and borrowing purposes.

As an initial matter, we consider whether First Options' borrowing activities implicate the restrictions on national banks' ability to trade and invest in certain securities. It is our understanding that First Options will be borrowing securities, which would not be eligible for purchase by a national bank for its own trading or investment accounts, for the purpose of relending them. See 12 C.F.R. Part 1. Under no circumstances, however, will First Options acquire a principal or ownership interest in these securities. Rather, the firm will simply assume the risk that the client/borrower will fail to repay the security, leaving First Options obligated to repay the owner. The risk assumed is not a trading or investment risk, but essentially a customer credit risk, analogous to the incidental liability of a broker to complete its customers' trades, should the customer fail to perform. We therefore believe that First Options' securities borrowing activities do not violate the restrictions against national banks' ownership of certain securities.

In the context of a national bank's brokerage subsidiary, it is our opinion that the ability to borrow and relend securities at the request of customers can be considered a convenient and useful incident to the business of buying and selling securities for the account of customers. The Bank has represented that First Options will comply with all guidelines and prudential controls for securities lending and borrowing set forth in Banking Circular No. 196, as well as the requirements of Regulation T, at 12 C.F.R. § 220.16. Accordingly, we conclude that First Options' securities lending and borrowing activities are incidental to its authorized brokerage activities and margin lending, and are therefore authorized under the incidental powers clause of 12 U.S.C. § 24 (Seventh). Cf. The Chase Manhattan Corporation, 69 Fed. Res. Bull. 725, 726 n.10 (September 1983) (concluding that securities borrowing and lending activities of bank holding company's discount brokerage subsidiary are closely related to banking, and incidental to discount brokerage and margin lending).

Leasing of Exchange Seats

In addition to holding seats on the Securities and Commodities Exchanges for its own use, First Options also holds exchange seats for the purpose of leasing them to its clients to enable them to trade on the various exchanges.[10] Although this activity is not an important source of income, it is our understanding that having seats available for lease to clients is considered critical to a clearing firm's ability to attract and retain business. Often, traders do not have the capital to both support their trading accounts and also purchase seats on the exchanges through which they trade. Leasing exchange seats provides an economically feasible means for these traders to obtain access to the exchange floors. It is our understanding that traders ordinarily look to their clearing firms to provide this leasing service. Exchange seat leasing not only appears to be a necessary adjunct to First Options' permissible execution and clearance business, but in effect allows First Options to finance a trader's acquisition of the benefits of exchange membership. We therefore conclude that it is an authorized activity under the incidental powers clause of 12 U.S.C. § 24 (Seventh).

---

[10] In some instances, First Options also guarantees loans to its clients to acquire exchange seats. The Bank has represented that all such guarantees will be structured to comply with the Comptroller's Interpretive Ruling 7.7010, 12 C.F.R. § 7.7010, following the proposed acquisition of First Options. See note 7, supra.

Combination of Permissible Activities

We have determined that each of the proposed activities of First Options is authorized for a national bank under 12 U.S.C. § 24 (Seventh), and not prohibited under the Glass-Steagall Act. We must now consider whether the combination of all of these activities would, nonetheless, result in a violation of the Glass-Steagall Act. In Investment Company Institute v. Camp, 401 U.S. 617 (1971), the Supreme Court concluded that although a national bank was not prohibited from pooling trust assets, acting as managing agent for customers,.or buying stock for the account of customers, the combination of these activities, through the offering of a commingled agency account to the public, resulted in the bank's issuance and distribution of mutual fund shares, in violation of the language of Section 16 and Section 21 of the Glass-Steagall Act. In addition, the Court was concerned that the bank's promotional interest in the investment fund would impair its ability to function as an impartial source of credit and disinterested investment adviser. Here, we must consider whether the provision of execution and clearance, margin lending and securities lending and borrowing services, taken together, involve the Bank in an impermissible securities activity under the Glass-Steagall Act.

We believe that the services First Options provides are within both the letter and the spirit of the Glass-Steagall Act. First Options' execution and clearance services are conducted according to the literal language of Section 16, i.e., it handles these transactions "without recourse, solely upon the order, and for the account of customers, and in no case for its own account...." First Options' margin lending involves extending credit for the purpose of purchasing or carrying securities which, in turn, serve as collateral for the loan. The Glass-Steagall Act does not prohibit banks from financing the purchase of securities or from accepting securities as collateral for loans. First Options' securities lending and borrowing activities do not require it to take a principal's interest in any security borrowed or lent. All financing decisions of First Options are made independently of decisions to provide execution and clearance services to customers according to established credit criteria. In other words, access to First Options' execution and clearance services does not assure access to First Options' financing.

In performing execution and clearance services, First Options assumes a credit risk with respect to the client involved, but does not obtain an ownership interest in the securities which are the subject of the transaction. In extending margin credit to clients, First Options obtains a security interest in the securities purchased, but, as with any loan, the client's ability to meet the terms of the loan determines the success of the transaction. In borrowing securities for the purpose of relending them, First Options assumes the risk that its client will fail to repay the security. When First Options provides all of these services for a given securities transaction, it assumes an aggregate risk that the customer will default on the loan, or will fail to pay for or deliver the securities, or will fail to repay the security lent. These risks are properly viewed as credit risks, but they are not securities trading or investment risks. The fact that First Options' success is tied to its clients' overall success and that this, in turn, is dependent upon their performance as traders in the securities markets does not give First Options a principal's interest in its clients' securities. That the clients' success may be a function of the value of securities subject to margin only exposes the Bank to the type of risk it is always exposed to when the value of loan collateral is subject to fluctuation. First Options' financial interest is only in its clients' ability to perform their obligations to the firm. The provision of both financing and execution and clearance services for securities transactions, which are conducted within the limits of Section 16, increases the extent of First Options' credit risk with respect to particular clients, but does not, in our view, create a "salesman's stake" or ownership interest in any particular security so as to violate either the literal language or the purposes of the Glass-Steagall Act.

Branching Restrictions

An additional note relates to the question of branching. In Securities Industry Association v. Comptroller of the Currency, supra, the Court of Appeals for the District of Columbia Circuit affirmed the district court's decision holding that discount brokerage activities are legitimate bank activities subject to the branching restrictions of 12 U.S.C. § 81 and 12 U.S.C. § 36 and, therefore, unavailable at non-branch locations. The Office filed a petition for certiorari in the

Supreme Court seeking review of, among other things, the Court of Appeals' decision on the branching issue. This petition was granted on March 3, 1986. Clarke v. Securities Industry Association, 106 S. Ct. 1259 (1986). The Bank is cautioned that if the decision of the Court of Appeals is affirmed, it will be required to restrict First Options' securities brokerage activities, and activities incidental thereto, to the Bank's main office or to branch locations.

Conclusion

This Office has concluded that the activities in which First Options engages, as described in the Bank's Notice and subsequent communications with this Office, are authorized under the Glass-Steagall Act and other provisions of the national banking laws. Our approval does not, at this point extend to First Options' FCM services with respect to transactions in agricultural futures and options on agricultural futures; the Bank must make separate application to the Office to obtain permission for First Options to execute and clear transactions in these commodities contracts. Moreover, to the extent that First Options proposes in the future to buy and sell new products for the account of its customers, the approval of this Office will be required in any instance in which such activity is conducted in relation to an instrument not previously considered by this Office. Insofar as the Federal Reserve Board has jurisdiction over the activities of the Bank's Edge Act affiliate, which proposes to acquire First Options' English subsidiary, our approval with respect to the provision of these overseas activities is contingent upon the Board's approval under Regulation K of the acquisition of First Options' English subsidiary by the Bank's Edge Act affiliate; in this regard, the Bank may not operate First Options' English subsidiary as a subsidiary of the Bank without the Board's approval.

As is the case with all permissible investment and lending activities of national banks, however, it is the Office's obligation to ensure that such activities are conducted in a safe and sound manner and consistent with sound prudential banking principles. While the activities of First Options, discussed above, are legally permissible under the national banking laws, it is important, as a matter of appropriate risk management, that the Bank adhere to sound supervisory practices. Therefore, in order for the activities of First Options to be conducted in a safe and sound manner, this Office will limit the Bank's acquisition as follows:

o The Bank's investment in, and loans to, First Options may not exceed in the aggregate an amount equal to the Bank's legal lending limit at the time of the investment or loan of any funds. The Bank shall not make any additional investments of equity capital in First Options without the prior written consent of the Office.

- The Bank shall seek and obtain written assurances from each securities and commodities exchange, and clearing corporation of which it is a member, that the exposure of First Options to that exchange or clearing corporation will be limited to the amount of the capital of First Options, and that no claims will be made on the Bank or its affiliates for any liabilities.

Very truly yours,

Judith A. Walter
Senior Deputy Comptroller
for Administration

Comptroller of the Currency
Administrator of National Banks

Washington, D.C. 20219

July 20, 1987

****
* No Objection Letter 87-5 *
****

Margery Waxman
Sidley & Austin
1722 Eye Street, N.W.
Washington, D.C. 20006

Dear Ms. Waxman:

This is in response to your request on behalf of The Chase Manhattan Bank, N.A.("Bank") for a staff "no objection" position with respect to a proposal that the Bank act as principal in commodity price index swaps with its customers. At issue is whether the proposed transactions are a permissible bank activity under 12 U.S.C. § 24(Seventh). We have reviewed your legal opinion contained in your May 1, 1987, letter and your July 9, 1987, draft supplemental memorandum, in which you conclude that the activities are permissible, and have relied on the information and opinions contained therein.

The Bank proposes to enter into swap contracts with Producers and Users of certain commodities pursuant to which amounts would be payable based on a designated commodity price index. The Bank will only enter into these transactions on a matched basis - a contract with a User would be matched with a contract with a Producer and vice versa - such that the Bank would be matched as to index, amount and maturity on each side of the transaction.

These agreements would be financial arrangements only; neither the parties nor the Bank would at any time be required to purchase the commodity on which the price index is based. The commodity price index is simply a tool for determining the variable aspect of the swap. The commodity price index would serve the same function as an interest rate index in an interest rate swap transaction. In contracts with Producers, the Bank would agree to make a payment to the Producer if the commodity index decreased; in contracts with Users, the Bank would make a payment to the User if the commodity price index increased over the designated period, or it would receive a payment from the User if such index decreased. Amounts owed would be settled on a net payments basis at the end of each settlement period.

Because these transactions are matched, the only risk to the Bank would be its credit risk with respect to a particular User or Producer. Accordingly, the Bank will conduct a credit risk analysis of its proposed counterparty before entering into a commodity price index swap with either a Producer or a User. This analysis would be documented in the same manner that interest rate swap credit risk analyses are currently documented. Additionally, the Bank's internal credit limits to each customer will be observed. Furthermore, the Bank will minimize its credit risk by requiring that the User and Producer contracts provide a cap and a floor to price index variation. Consequently, even if the designated commodity price index fluctuated beyond expectation, payments due pursuant to the contract would never be more than the amount that would be calculated at the cap or floor set forth in the contract.

Finally, the Bank's credit risk would be further minimized by the fact that a Producer would be required to pay only when the price for its commodity had increased. Obviously, this would probably occur at a time when the Producer would be in the best financial position to pay. Similarly, a User would be required to pay only when the price of the commodity had declined, and the User would be in the best financial position to pay.

Two theories support the permissibility of the Bank's proposed transactions with respect to commodity price index swaps: one is that the activity is authorized under the National Bank Act, 12 U.S.C. § 24(Seventh), as incidental to one of powers expressly authorized to national banks; the other is that Section 24(Seventh) authorizes any activity which is incidental to the "business of banking," including the exercise of the so-called "express powers." In my opinion, engaging in commodity price index swaps as described is incidental both to the business of banking in general and the express power of "loaning of money on personal security."

The "business of banking" has changed drastically over the one hundred and twenty-four years since the National Bank Act was enacted to support a national currency, and no one expects banks today to be restricted to the practices that then constituted the "business of banking." The adaptability of the national banking system will become increasingly important as advances in technology and telecommunications accelerate the rate of change. Even before the establishment of the national bank system, moreover, the New York Court of Appeals viewed banking in the most conceptual terms:

> the implied powers exist by virtue of the grant, and are not enumerated and defined; because no human sagacity can foresee what implied powers may, in the progress of time, the discovery and perfection of better methods of business, and the ever-varying attitude of human relations, be required to give effect to the express powers.

Curtis v. Leavitt, 15 N.Y. 2, 157 (1857). The United States Supreme Court, with respect to national banks, approached banking from the same forward-looking, conceptual perspective:

> The very object of banking is to aid the operation of the laws of commerce by serving as a channel for carrying money from place to place, as the rise and fall of supply and demand require.

Auten v. United States National Bank of New York, 174 U.S. 140, 141 (1899). Over the years, when a new commercial banking practice evolves or is developed which is not expressly prohibited, courts sympathetic to the notion that banking law should be construed to reflect changes in banking practices have accommodated change by finding an activity legal even though it does not have a direct connection with an expressly stated power. For example, ten years ago, the Ninth Circuit permitted a national bank to engage in leasing motor vehicles by analogizing that practice to lending. M & M Leasing Corp. v. Seattle First National Bank, 563 F.2d 1377, 1382 (9th Cir. 1977). The Ninth Circuit emphasized the importance of the continuing evolution of the banking business when it explained why it was construing Section 24(Seventh) to permit the bank's motor vehicle leasing activities:

> we believe the powers of national banks must be construed so as to permit the use of new ways of conducting the very old business of banking. At 1382.

In American Insurance Ass'n v. Clarke, No. 85-1489, slip op. at 8 (D.D.C. Mar. 10, 1987), the District Court concurred with the Office's action in permitting an operating subsidiary of a national bank to issue municipal bond insurance policies on the theory that the insurance policies were functionally equivalent to standby letters of credit, a traditional banking product. Standby letters of credit themselves do not strictly invoke the express power of "loaning money on personal security" in the sense of advancing bank funds. The Court stated:

> Whether or not the five enumerated powers set out in the National Bank Act are an exhaustive list or, as some commentators have argued, merely illustrative, see e.g., Symons, The "Business of Banking" in Historical Perspective, 57 Geo. Wash. L. Rev. 67 (1983), the Court cannot accept plaintiff's cramped and simplistically literal interpretation of the

> banking industry's lending power. At bottom, "[t]he business of banking reduces to the provision of financial support for the transaction of others." Letter from James E. Smith, Comptroller of the Currency, [1973-1978 Transfer Binder] Fed. Bank. L. Rep. (CCH) ¶ 96,301 at 81,417. Banks can and do provide such support by means other than direct loans of their own funds. As then Judge Cardozo explained over fifty years ago, the business of banking involves the substitution of the "[bank's] own credit, which has general acceptance in the business community, for the individual's credit, which has only limited acceptability . . . . It is the end for which a bank exists." *Block v. Pennsylvania Exchange Bank*, 253 N.Y. 227, 170 N.E. 900, 901 (N.Y. 1930).

With this background for a broad perspective on the permissibility of the Bank's activities in mind, the analysis of the permissibility of the proposed commodity price index swaps under Section 24(Seventh) is as follows. First, engaging in the proposed commodity price index swaps can ultimately become an exercise of the express power to lend; second, the proposed swaps are incidental to the express power to loan money; and, finally, the proposed swaps are part of the general "business of banking" as a form of funds intermediation.

In the event of default, the commodity price index swap is an exercise of the express power to loan money. In the proposed commodity price index swaps, the Bank is a principal between the two counterparties to a matched transaction, acting as intermediary. The customer on each side of the matched set of transactions is obligated to pay the Bank if the commodity price index moves against him. When the Bank makes payments in place of a defaulting customer's obligation, the Bank's payment is an advance of funds for which the defaulting customer is obligated to reimburse the Bank. In a default scenario, commodity price index swaps are clearly an exercise of the express power of "loaning money on personal security."

The principal question is whether the engaging of the Bank's credit prior to default is incidental to, or related or analogous to, that express power. When the Bank acts as principal in arranging a matched set of commodity price index swaps for two customers, the Bank undertakes the credit risk that would otherwise fall to each party to the transaction. Without an intermediary, each of the parties to such a swap would have to concern itself with the possibility that the other party will become insolvent or refuse to honor the swap agreement; each would have to evaluate whether the other party to the swap possesses the financial soundness and liquidity to meet its obligation. In contrast, when the Bank acts as principal, each party is provided with the confidence that the swap will be carried out as promised in the contract. The Bank is supplying its expertise to relieve the parties of the burden of undertaking their own credit analysis. Each swap transaction undertaken by the Bank exposes it to credit risk because either party could default in providing its designated payment to the Bank. The risk to the Bank is a contingent liability, which could be characterized as limited to the present value of the estimated future cost of reestablishing an offsetting swap to replace the payment by the defaulting participant, and not the risk associated with commodity price fluctuations. The Bank is exposing itself only to credit risk; it is not undertaking to make or take delivery of the underlying commodity. It is not, therefore, speculating on future price fluctuations in a commodity.

Bank loan commitments, commercial letters of credit, and standby letters of credit are traditional bank services. They are contingent bank obligations that commit the bank to advance funds at some future date under certain specified conditions. They are all incidental to a bank's express power of "loaning money." In the proposed commodity price index swaps, the Bank is lending its own credit to each of the parties to support an independent transaction. The Bank is essentially playing the same role that it would assume if it were not a principal in the transaction but, instead, issuing standby letters of credit in a single commodity price index swap between a commodity User and a Producer. Where a bank issues a standby letter of credit for the account of each party to a single swap, it incurs credit risk by backing each party's obligation to pay the other party in the event of an adverse movement of the price index. The bank would be extending its credit to each party by obligating itself to pay the User if the Producer defaulted and vice versa. The same type of credit exposure which could be incurred in a single swap with the issuance of standby letters of credit is incurred when the Bank is principal in a matched set of commodity price index swaps, acting as intermediary. The Bank's obligation is to pay out money upon the occurrence of the stated contingency: the movement of the price index against the Bank; but any adverse movement is balanced by a favorable movement with respect to the other party. Moreover, in both situations, the Bank's essential activity is to evaluate the creditworthiness of Users and Producers to assure that its own undertaking is a prudent banking commitment.

Besides their connection to the Bank's authority to extend credit, the commodity price index swaps are related or incidental to the "business of banking" generally. They involve not merely the advancing of the Bank's own credit but a modern concept of banking as funds intermediation. Banks today commonly act as receivers and transmitters of funds and intermediaries in complex financial transactions. As money becomes a digital electronic transmission, the role of national banks in support of the nation's currency will continue to change. Instead of printing banknotes as they did in the 19th century, or, in the language of Section 24(Seventh), exercising the express power of "obtaining, issuing, and circulating notes," national banks will increasingly find themselves acting as financial intermediaries beyond the textbook sense of transforming savings into capital to acting as pure funds intermediaries or processors.

This particular funds intermediation proposal is similar to various other types of funds intermediation wherein a bank evaluates creditworthiness and lends its own credit. These commodity price index swaps, as the Bank's counsel points out, are functionally equivalent to interest rate swaps which a bank engages in as a funds intermediary. Interest rate swaps are conducted on a large volume basis. Banks engage in them both for their own account and for customers. Interest rate swaps involve the exchange of a stream of fixed for floating interest rate payments on loans. They were developed by banks as an alternative to financial futures contracts and used as a bank asset/liability or funds management technique for hedging exposure to interest rate fluctuations. Interest rate swaps are treated like other financial futures instruments as being incidental to the business of banking. See Banking Circular No. 79 (3d rev. April 19, 1983). Interest rates swaps are commonly engaged in by banks on a matched basis for corporate customers and other financial institutions to generate income to compensate the bank for its credit risk and its activity as a funds intermediary. Interest rate swaps which are engaged in on a matched basis with customers are permissible as incidental to general aspects of the business of banking, such as funds intermediation and providing financial expertise to customers, in addition to being incidental to the express power to lend money.

Finally, it should be noted that the Office has proposed risk based capital guidelines on interest rate swaps and foreign currency swaps1/ which are consistent with this no objection position. See 52 Fed. Reg. 23045, 23048, 23052 (June 17, 1987). The risk associated with commodity price index swaps is no different from that posed by these types of swaps and can be prudently managed and covered by capital requirements. Commodity price index swaps differ from interest rate swaps in that a different index is used to determine the fluctuating

---

1/Foreign currency swaps, which antedate interest rate swaps, are the combination of a spot purchase or sale against a forward sale or purchase of one currency in exchange for another. Foreign currency swaps are permitted to bank holding company subsidiaries as "closely related" to banking because they are a foreign exchange advisory or transactional service. 12 C.F.R. § 225.25(b)(17). Foreign currency swaps are also considered "loans" under the Treasury Department's South African Transactions regulations, 31 C.F.R. 545.304, and Libyan Sanctions regulations, 31 C.F.R. § 550.312. There is an additional basis for permitting engaging in foreign currency swaps under the National Bank Act; they could be considered incidental to the express power of "buying and selling exchange."

side of the transaction. Another difference is that the base to which such index rate would be applied would be a number relating to the volume of a commodity rather than a notional amount of money. These differences, however, should not pose special risks. While the volatility of the commodities market may affect the creditworthiness of the parties who use and produce these commodities, the impact of price fluctuations on the accuracy of evaluations of creditworthiness has always been a factor in lending transactions with Users and Producers. Part of the traditional business of banking has been to "know your customer," or to be familiar with the factors causing price instability in certain industries leading to inability to repay debts or insolvency. This type of financial analysis of a customer's financial condition is the essence of the business of banking. In the years in which interest rate swaps have been part of the financial marketplace, banks have clearly demonstrated that they are capable of successfully managing the risks involved, which are virtually identical to those presented here.

On the basis of the facts and representations set forth in your May 1, 1987, letter, we do not object to the Bank's proposal to engage in commodity price index swaps for their customers. It should be noted that any different facts or conditions might require a different conclusion. In addition, please note that our view is based on current law and regulation and may be subject to revision as future litigation or legislative developments warrant. We will, of course, continue to monitor your program, and we reserve the right to modify the views expressed herein or provide additional comments in the future.

Sincerely,

Rosemarie Oda

Rosemarie Oda
Senior Attorney
Legal Advisory Services Division

Comptroller of the Currency
Administrator of National Banks

Washington, DC 20219

May 14, 2002

Interpretive Letter #935
June 2002
12 USC 24(7)

Subject: Holding Securities for Hedging Purposes

Dear [ ]:

This letter confirms oral advice provided by OCC legal and supervisory staff concerning the program established by [ ] (the "Bank") to hedge risks arising from bank permissible, customer-driven derivative transactions. You asked whether the Bank can short equities under its hedging program and if the 5% limit applies to voting but not nonvoting stock. You also questioned how the Bank may settle and terminate its hedges and whether the Bank can cross-hedge. You also asked whether the standards applicable to equity hedges apply to commodity and below investment grade debt hedges. Our responses are set forth below.

I. Background

The OCC has determined that it is legally permissible for a national bank to purchase and hold equity securities that banks do not generally have authority to purchase to hedge customer-driven, bank permissible equity derivative transactions.[1] A national bank may hold these securities to hedge bank permissible equity derivative transactions if the activities comply with the standards set forth below, which include obtaining the approval of its examiner-in-charge ("EIC"). Before establishing an equity hedging program, a national bank must provide written documentation to its EIC that evidences compliance with the following standards, and obtain the EIC's approval. The documentation should establish to the satisfaction of the EIC that:

---

[1] *See* OCC Interpretive Letter No. 892 (September 13, 2000), *reprinted in* [2000-2001 Transfer Binder] Fed. Banking Law Rep. (CCH) ¶ 81-411.

- the bank will hold the securities solely to hedge risks arising from bank permissible derivative transactions originated by customers for the customers' valid and independent business purposes;
- the bank will not hold the securities for speculative purposes;
- the securities will offer a cost-effective means to hedge risks arising from permissible banking activities;
- the bank will not take anticipatory, or maintain residual positions in the securities except as necessary for the orderly establishment or unwinding of a hedging position;
- the bank will not acquire equity securities for hedging purposes that constitute more than 5% of a class of securities of any issuer; and
- the bank has an appropriate risk management process in place, satisfactory to the EIC, for its hedging activities.

Your EIC has approved the Bank's hedging program under these standards.

II. Discussion

You have asked a number of questions concerning the Bank's hedging program. Our responses to your questions are described below.

A. Shorting Equities

You asked if the Bank may short equities for hedging purposes under the EIC's approval of its hedging program. The answer is yes. National banks may hedge risks arising from bank permissible equity derivative transactions with either long or short positions in an equity or basket of equities. A national bank can protect itself against changes in the value of the security underlying an equity derivative transaction by taking an offsetting (long or short, as appropriate) position in that equity. So, for example, a national bank may hedge changes in certain equity derivative transactions through delta hedging.[2] Delta is a hedge ratio banks calculate to determine the amount of equity it must be long or short, so that for small changes in the price of an equity, the bank's equity hedge position and its equity derivative contract with a customer will change by equal, and offsetting, amounts.[3] The objective of delta hedging is to have the change in the value of the equity hedge offset the change in value of the customer derivative transaction.

---

[2] Delta hedging typically involves equity options. *See* United Stated General Accounting Office (GAO), *Equity Hedging: OCC Needs to Establish Policy on Publishing Interpretive Decisions*, GAO-01-945 (August 2001) at 4, 26.

B. Nonvoting Corporate Stock

You inquired whether the 5% limit applies to nonvoting corporate stock. The OCC has applied the 5% limit only to each separate class of voting shares of a company. A national bank may not acquire securities that, in the aggregate, result in the bank's control of more than 5% of the outstanding shares of any class of a company's voting securities. The OCC evaluates a particular bank's hedging program under the criteria described in this letter in order to determine whether the 5% limit should also apply to a class of nonvoting securities.

C. Cash- and Physically- Settled Hedges

You questioned whether the OCC's approval for hedging permissible equity derivative transactions with equity securities allows the Bank to both cash- and physically- settle its equity derivative transactions. A national bank with an EIC approved hedging program may execute cash- and physically- settled equity derivative transactions.[4]

D. Hedging Residual Positions

You asked whether the Bank may hedge the risks arising from a hedge that remain when a counterparty terminates the underlying hedged transaction. A bank must prudently manage the risk in its equity derivative program and may, in the event of an unforeseen termination of a hedged transaction, hedge exposures from the remaining hedge. We believe that if a national bank holds equities to hedge a bank permissible equity derivative transaction, and a counterparty terminates the initial transaction, the bank must dispose of the equity holdings immediately, except as necessary for the orderly unwinding of the hedge position.[5] During any time required to dispose of the equity holdings, a national bank may enter into an appropriate offsetting equity derivative transaction to hedge the bank's initial hedge transaction, *i.e.*, a reverse hedge. The reverse hedge should terminate as close in time as possible to the disposal of the equity holdings.

E. Physical Commodity Transactions

You inquired whether the standards for examiner review and approval of national bank equity hedge programs apply to commodity hedge programs. No, the standards set forth in OCC Interpretive Letter 892 apply to security, but not commodity, hedges. The OCC's process for permitting national banks to hold commodities to hedge derivative transactions is set forth in a

---

[3] *See Id.*

[4] The OCC has previously recognized that a national bank may hedge equity derivative transactions with cash-settled hedges. *See* OCC Interpretive Letter No. 652 (September 13, 1994), *reprinted in* [1994 Transfer Binder] Fed. Banking L. Rep. (CCH) ¶ 83,600.

[5] *See* OCC Interpretive Letter No. 892, *supra*.

number of precedents separate from OCC Interpretive Letter No. 892.[6] Banking Circular 277, for example, describes how national banks may hold commodities as hedges.[7] The analysis governing commodity holdings as hedges is similar in several respects to that underlying the OCC's approval for hedging permissible equity derivative transactions. In both cases, the OCC made clear that national banks should not engage in these activities without the prior approval of the OCC. The ability of banks to hold commodities and equities as hedges depends on the existence of customer-driven, bank-permissible derivative transactions. Also, the bank must have acceptable risk monitoring systems to handle the activities in a safe and sound manner. Conversely, commodity hedges differ materially from equity hedges, and therefore the process for engaging in these transactions is different. For example, holding commodities as hedges pose storage (*e.g.*, storage tanks, pipelines), transportation (*e.g.*, tankers, barges, pipelines), environmental (*e.g.*, pollution, fumigation, leakage, contamination) and insurance risks (*e.g.*, damage to persons and property, contract breach, spillage) not associated with the physical possession of equities.

F. Cross-Hedges

You questioned whether the Bank can hedge equity derivatives with cross-hedges. In limited circumstances, a national bank can cross-hedge its equity derivatives where consistent with the bank's OCC approved hedging risk management process. Generally, an equity hedge is used to protect a position in a security by the purchase or sale of the security. Cross-hedging is the use of one security or a basket of securities to hedge the risk arising from a transaction involving another, different security. A cross-hedge is based on the premise that, although certain securities are not the same, the securities are similar and their price movements strongly correlate. Sometimes cross-hedges are used when securities have similar characteristics and there is a deeper, more liquid market for securities other than the security underlying the transaction to be hedged. In some circumstances, cross-hedging may be the most effective risk management tool available to a national bank, enabling it to operate more efficiently, compete more effectively with entities that engage in similar hedging strategies, offer customers the least costly and most attractive products and services, and operate prudently.[8] Bank management must be able to justify its cross-hedge, *i.e.*, that the instrument used for cross-hedging provides a reasonable substitute for the security exposure arising from the derivative being hedged. Examiners evaluating the reasonableness of a cross-hedge consider the accuracy of the cross-hedge, its cost-effectiveness and its liquidity in the market in comparison to the security involved in the initial transaction.

---

[6] *See* OCC Interpretive Letter No. 684 (August 4, 1995), *reprinted in* [1993-1994 Transfer Binder] Fed. Banking L. Rep. (CCH) ¶ 83,632; OCC Interpretive Letter No. 632 (June 30, 1993), *reprinted in* [1993-1994 Transfer Binder] Fed. Banking L. Rep. (CCH) ¶ 83,516.

[7] *See* OCC Banking Circular 277 (October 27, 1993) (BC-277). *See also*, OCC Handbook for National Bank Examiners, *Risk Management of Financial Derivatives* (January 1997)

[8] *See* OCC Interpretive Letter No. 892, *supra*.

G. Below Investment Grade Bond Hedges

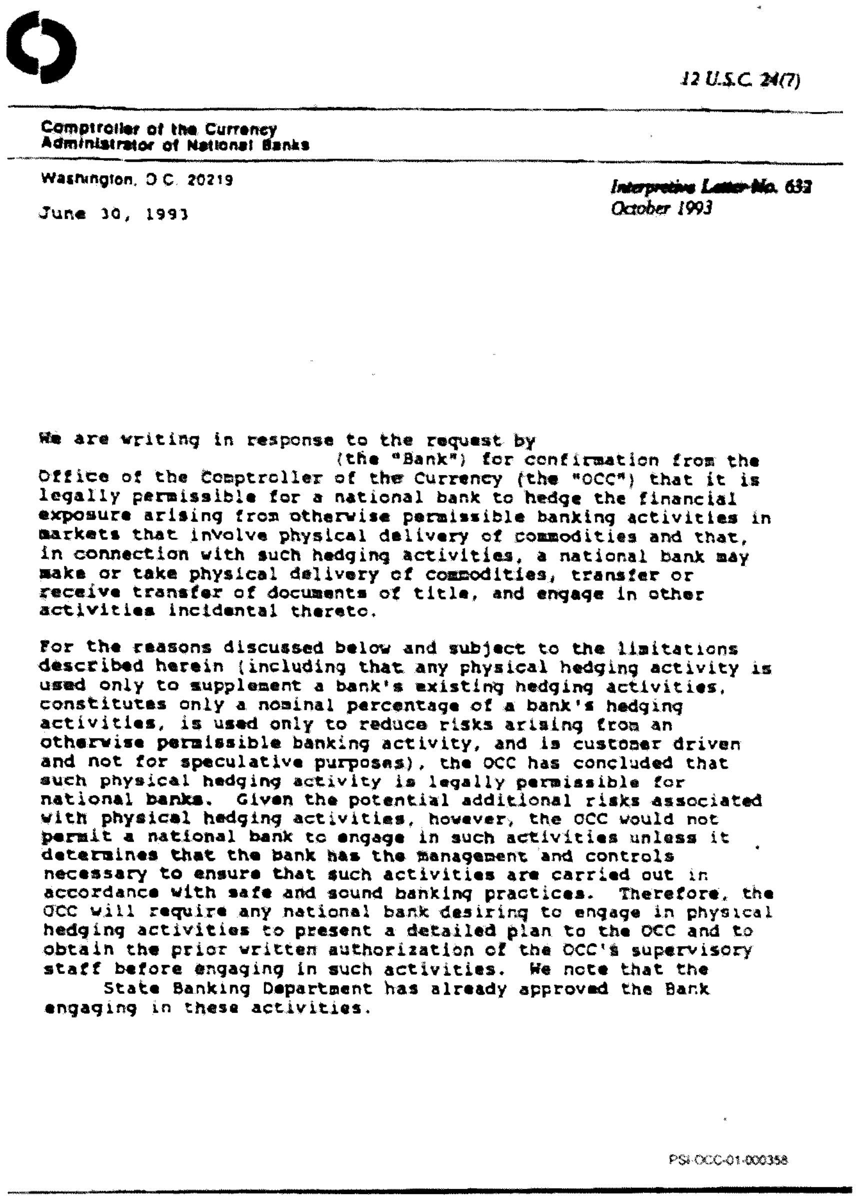
You asked whether the Bank may hedge risks arising from permissible derivative activities using bonds that are rated below investment grade. A national bank may hold long or short positions in equity or below investment grade debt securities to hedge bank permissible derivative transactions if the activities comply with OCC standards *and* the bank obtains the approval of its EIC. The standards set forth in OCC Interpretive Letter 892 that apply to hedging with equity securities also apply to hedging with below investment grade debt securities. Because a bank's EIC must approve a bank's use of below investment grade debt securities for hedging purposes, and such hedging programs must have an appropriate risk management process in place satisfactory to the EIC, the EIC may impose a prudential limit on such holdings. Accordingly, a national bank can use below investment grade bonds to hedge the risks arising from permissible derivative transactions if in accordance with its EIC approved hedging program.

We understand that your EIC has addressed the above issues with the Bank. If you have additional questions, please do not hesitate to contact Donald N. Lamson, Assistant Director, or Tena M. Alexander, Special Counsel, Securities & Corporate Practices Division at (202) 874-5210.

Sincerely,

signed

Julie L. Williams
First Senior Deputy Comptroller and Chief Counsel



12 U.S.C. 24(7)

Comptroller of the Currency
Administrator of National Banks

Washington, D.C. 20219

Interpretive Letter No. 632
October 1993

June 30, 1993

We are writing in response to the request by (the "Bank") for confirmation from the Office of the Comptroller of the Currency (the "OCC") that it is legally permissible for a national bank to hedge the financial exposure arising from otherwise permissible banking activities in markets that involve physical delivery of commodities and that, in connection with such hedging activities, a national bank may make or take physical delivery of commodities, transfer or receive transfer of documents of title, and engage in other activities incidental thereto.

For the reasons discussed below and subject to the limitations described herein (including that any physical hedging activity is used only to supplement a bank's existing hedging activities, constitutes only a nominal percentage of a bank's hedging activities, is used only to reduce risks arising from an otherwise permissible banking activity, and is customer driven and not for speculative purposes), the OCC has concluded that such physical hedging activity is legally permissible for national banks. Given the potential additional risks associated with physical hedging activities, however, the OCC would not permit a national bank to engage in such activities unless it determines that the bank has the management and controls necessary to ensure that such activities are carried out in accordance with safe and sound banking practices. Therefore, the OCC will require any national bank desiring to engage in physical hedging activities to present a detailed plan to the OCC and to obtain the prior written authorization of the OCC's supervisory staff before engaging in such activities. We note that the State Banking Department has already approved the Bank engaging in these activities.

BACKGROUND

The Bank's request was submitted to the OCC in connection with section 303 of the Federal Deposit Insurance Corporation Improvement Act of 1991, 12 U.S.C. § 1831a, which provides that beginning on December 19, 1992, an insured state-chartered bank, such as the Bank, may not engage as principal in any type of activity that is not permissible for a national bank, except as provided therein. We understand that the Bank has also applied to the Federal Reserve Bank of pursuant to Regulation H of the Board of Governors of the Federal Reserve System, seeking authorization to continue as well as commence various commodity-linked activities, and to engage in physical hedging activities. We express no view as to whether the Bank's proposal to engage in physical hedging activities is permissible under Regulation H.

In support of its request, the Bank has represented that it is currently engaged in various commodity-linked transactions involving certain commodities, . These activities consist of making loans, taking deposits, and issuing debt instruments having terms measured in relation to commodity prices or to a commodity price index (or indices), or measured in relation to various financial or economic indices, whether existing now or in the future; and entering into swap, forward and options transactions having such terms, or any combination thereof, in order to assist the Bank's clients in managing their financial exposures.

In order to hedge the market risk arising from these activities, the Bank generally enters into exchange-traded and over-the-counter cash-settled transactions such as exchange-traded futures and options contracts and over-the-counter spot, forward, and option contracts. The Bank has advised us that in a limited number of instances such cash-settled transactions may not provide the most accurate and precise hedge possible. In such instances, the Bank would like to enter into exchange-traded and over-the-counter transactions which would be physically-settled. In connection with the foregoing, the Bank may be required, from time to time, to make or take physical delivery of a commodity underlying any such transactions. The Bank has indicated, however, that with respect to , it currently intends only to transfer or receive transfer of documents evidencing title to the underlying commodities, such as warrants issued by exchange-accredited warehouses.

The Bank wishes to gain access to the physical markets in order to supplement its existing hedging activities so that it would be able more accurately and effectively to manage and reduce the market risk arising from its commodity-linked transactions on a portfolio basis[1], and to remain competitive and profitable with respect to the commodities-linked services it offers. Because it does not currently have access to the physical markets, the Bank is often forced to hedge its risks by using hedging instruments which may provide less than accurate hedges, thereby resulting in what is known as "basis risk," i.e., the risk that the price fluctuations of the hedging instrument will not exactly match the price fluctuations of the underlying transaction.

Basis risk can arise in a variety of ways including a mismatch between the hedge and the underlying transaction relating to the type of commodity involved and the geographic location of such commodity. Such mismatches, and thus the resulting basis risk, tend to become more pronounced progressively during the life of the transaction thus making accurate hedging essential. This is because in many instances the differences between the price of a raw commodity and the aggregate value of the products produced from such commodity are, in the short term, sensitive to movements in the spot prices of the raw commodity and the refined products. Accordingly, in the short term, e.g., during the last six months of the term of the underlying transaction, a small change in the spread may result in a significant change in the value of a hedge. The Bank believes that if it had access to the physical markets, it would be able to have more accurate and precise hedges and its basis risk would be substantially reduced in certain instances.

The Bank also believes that access to the physical markets would reduce its basis risk by providing a degree of liquidity that may exceed the liquidity offered by the futures markets or the cash-settled markets.[2]

---

[1] Under this approach, a bank hedges the commodities price risk in a portfolio of commodity-linked transactions involving the same commodity, or closely related commodities, based on the aggregate unmatched position in the portfolio. As commodity-linked transactions are added to the portfolio resulting in changes to the unmatched position, the bank will adjust its hedge to eliminate its exposure to commodities price risk. See Letter from Horace G. Sneed, Senior Attorney, Legal Advisory Services Division (March 2, 1992) (unpublished).

[2]

The Bank also maintains that its inability to hedge its risks in the physical markets has placed it at a competitive disadvantage by causing the Bank to refrain from entering into many commodity-linked transactions with its clients, preventing it from offering competitive prices to its clients, adversely affecting its existing commodity-linked activities and causing it to incur additional costs.

To the extent that it may take or make physical delivery of a commodity or transfer or receive transfer of a document evidencing title to a commodity, the Bank may need to engage in other activities that are incidental to such physical delivery or transfer. For example, the Bank may need to store any such commodity, transport it from one destination to another, or obtain or dispose of the commodity. The risks associated with the physical delivery of commodities and the activities that are incidental to physical delivery and transfer include credit risk, risk of non-delivery due to force majeure, storage risk, transportation risk and quality and quantity risk.

The Bank has stated that it has developed methods of managing such risks which include establishing credit lines with counterparties, using appropriate storage facilities and means of transportation which are owned and operated by entities selected on the basis of experience, reputation, safety record, adequate insurance and creditworthiness, using independent inspectors to inspect and determine the quality, quantity and other specifications of the commodity involved in the transaction, refraining from using any means of transportation or storage that

---

is owned by the Bank for the purpose of transporting, storing or delivering and obtaining appropriate levels of insurance. The Bank will also manage the risks associated with the physical delivery of commodities by using its experience in trading precious metals and its risk management procedures established in connection therewith, as well as relying on the knowledge and expertise of professionals experienced in the types of commodities of which the Bank will take physical delivery.

LEGALITY OF PROPOSED ACTIVITIES

The authority of national banks to physically hedge the risks arising from their commodity-linked activities is supported by existing precedent, and thus constitutes a permissible banking activity, subject to supervisory concurrence, and provided the activity is conducted in accordance with safe and sound banking practices.

The National Bank Act provides, in pertinent part, that national banks shall have the power:

> To exercise . . . all such incidental powers as shall be necessary to carry on the business of banking; by discounting and negotiating promissory notes, drafts, bills of exchange, and other evidences of debt; by receiving deposits; by buying and selling exchange, coin, and bullion; by loaning money on personal security; and by obtaining, issuing, and circulating notes according to the provisions of title 62 of the Revised Statutes.

12 U.S.C. § 24(Seventh). Although neither engaging in commodity-linked transactions nor hedging the risks arising from such transactions is among the enumerated powers of section 24(Seventh), the OCC has rejected a narrow view of the bank powers clause which would interpret the Act as granting to national banks only the five specified powers and such ancillary powers needed to perform those five. *See* Interpretive Letter No. 494 (December 20, 1989) *reprinted in* [1989-1990 Transfer Binder] Fed. Banking L. Rep. (CCH) ¶ 83,083. Rather, the OCC views the bank powers clause of section 24(Seventh) as a broad grant of the power to engage in the business of banking, including the five specifically recited powers and such other powers that are reasonably necessary to perform not just the specifically enumerated powers but the business of banking as a whole.[5] The

---

[5] As one commentator has noted:

> whatever may be the legal rule as to business corporations, or municipal corporations, it seems clear that National Banks are not confined to the powers specified in the National Bank Act and those necessary

business of banking is comprised of all those powers which are the recognized incidents or features of that business. Interpretive Letter No. 494. The five enumerated powers are examples of banking powers but they are not the exclusive list. Id. Many other activities, including acting as a financial intermediary through commodity-linked transactions, are also inherent parts of the business of banking.[4]

Indeed, the OCC has previously determined that virtually all of the commodity-linked financial transactions in which the Bank is currently engaged are permissible for national banks. For example, when taking deposits and making loans, national banks are permitted to enter into contracts which provide for interest payments which have fixed or variable rates. As the OCC explained in the Decision of the Office of the Comptroller of the Currency on the Request by Chase Manhattan Bank, N.A., to Offer the Chase Market Index Investment Deposit Account, national banks have the authority to establish the amount of the payments to be made and received under their deposit and loan contracts based on the market conditions and the needs of their customers. See No-Objection Letter No. 90-1 (February 16, 1990) reprinted in [1989-1990 Transfer Binder] Fed. Banking L. Rep. (CCH) ¶ 83,095; and Letter from Horace G. Sneed, Senior Attorney, Legal Advisory Services Division (March 2, 1992) (unpublished) (the "Portfolio

---

> to carry out those specific powers; and that in the case of National Banks . . . the test is not whether a power is necessarily incident to one of the specific powers granted, but whether it is properly implied from all of the terms used, in light of the general intent and purpose of the statute.

Trimble, The Implied Power of National Banks to Issue Letters of Credit and Accept Bills, 58 Yale L.J. 713, 721 (1949) ("Trimble").

[4] As indicated above, the State Banking Department (the "Banking Department") has reached a similar conclusion under law. In a letter dated September 17, 1992, the Banking Department concurred with the view that the Bank could hedge the market risk arising from its commodity-linked activities by entering into transactions that involve physical delivery of commodities or transferring or receiving documents evidencing title to such commodities and engage in all activities incidental to making or taking physical delivery of commodities or transferring or receiving transfer of title documents. It should also be noted that the incidental bank powers clause of 12 U.S.C. § 24(Seventh) is virtually identical to the incidental bank powers clause contained in the Banking Law.

Letter"). Accordingly, a bank may determine the amount of those payments by reference to any index or standard as long as the bank complies with safe and sound banking principles and, in the case of loans, with applicable state usury laws. Id.

The OCC has also permitted national banks to enter into matched and unmatched commodity price index swap transactions in order to assist their customers which desire to limit certain financial risks resulting from variations in commodity prices. See No-Objection Letter No. 90-1; and No-Objection Letter No. 87-5 (July 20, 1987) reprinted in [1988-1989 Transfer Binder] Fed. Banking L. Rep. (CCH) ¶ 84,034. In finding such transactions to be permissible for national banks, the OCC recognized that "[a] swap contract in which payments are based on commodity prices instead of interest rates or currency exchange rates fits within the powers of national banks because it is simply a new way of tailoring traditional intermediation services of commercial banks to meet the needs of bank customers." No-Objection Letter 90-1. Indeed, the OCC has recognized that a commodity price swap involves the same types of payments that a bank makes and receives in connection with its loan contracts[5]. Id. Just as with its deposit and lending activities, in matched and unmatched swap transactions a bank acts as a financial intermediary on behalf of its customers, making and receiving payments. Because the other over-the-counter derivative transactions in which the Bank participates are also forms of financial intermediation that involve these same types of payments, such transactions are also permissible for national banks. Cf., Letter from Jimmy F. Barton, Deputy Comptroller for Multinational Banking (May 13, 1992) (unpublished) (permissible bank activities with respect to underlying instruments and commodities extend to their derivatives).

The OCC has also recognized that while national banks may not purchase nonfinancial commodities or nonfinancial commodities futures and options as investments, national banks may use commodities futures and options to manage risk arising from a permissible banking activity. See the Portfolio Letter. For instance, the OCC has recognized that national banks may use futures, options, and forward contracts to manage interest rate risk associated with their commercial banking activities. See Banking Circular 79 (3rd Rev) (April 19, 1983). Similarly, the OCC has concluded that a national bank may use futures contracts, options and similar over-the-counter instruments which are cash settled to hedge commodities price risk resulting from unmatched swaps and that the use of such instruments as hedges may be on a portfolio basis. See No-Objection Letter 90-1; and the Portfolio

---

[5] Unlike a deposit or loan, however, no principal is received or disbursed by the bank with a swap. Instead, payments are made based on a notional amount of the commodity and changes in an agreed upon commodity price index.

Letter. In fact, in approving cash settled options and similar over-the-counter instruments as appropriate hedges to commodities price risk, the OCC has noted that some over-the-counter instruments may match the Bank's needs more closely than futures contracts. **See** the Portfolio Letter.

In some instances, however, both exchange-traded and over-the-counter transactions that are cash settled may provide less than completely accurate hedges, thereby exposing the bank to basis risk. To the extent that access to the physical markets would provide a more accurate and precise hedge in such instances than exchange-traded or over-the-counter transactions, the OCC believes that it is permissible for a national bank to access the physical markets for hedging purposes, provided that such hedging activities are undertaken in accordance with safe and sound banking practices, including the conditions referred to below. Like exchange-traded and over-the-counter hedging transactions, physical hedging transactions enable a bank to reduce the risks associated with an otherwise permissible banking activity, i.e., engaging in commodity-linked transactions, and thus are part of or incidental to the business of banking and permissible activities for national banks under 12 U.S.C. § 24(Seventh). Because many hedging transactions that involve physical settlement necessarily involve the transfer or receipt of documents evidencing title to such commodities, as well as storing, transporting, and disposing of the commodities, such activities would also be permissible for national banks.

SUPERVISORY CONCERNS

Given the fact that physical hedging activities may expose a bank to certain additional risks, the OCC would require from a safety and soundness standpoint that a national bank only engage in hedging transactions that involve physical settlement where such transactions provide a more accurate hedge than available exchange-traded or over-the-counter transactions taking into account all of the costs associated with the physical hedging transactions. Accordingly, both the OCC and the Bank expect that only a nominal percentage of hedging transactions would actually be physically settled. The OCC wishes to emphasize that all physical hedging transactions must be customer driven and that a national bank may not use physical hedging transactions as a means to speculate in commodity price movements.

As with any activity conducted by a national bank, hedging transactions that involve physical settlement must be carried out in accordance with safe and sound banking practices to ensure that the risks encountered are appropriately managed. At a minimum, this means that a bank must have in place controls of the type already required by Banking Circular 79. Accordingly, the OCC would expect a national bank that engages in physical hedging transactions to adopt and maintain: (i) specific written policies and procedures endorsed by the board of directors which set forth the circumstances under which physical hedging activities are permissible, establish permissible physical hedging strategies and address the relationship between physical hedging activities and other banking activities; (ii) established position limitations; (iii) a system for monitoring credit risk exposure associated with various customers and dealers with whom operating personnel are authorized to transact business; (iv) appropriate internal controls including minimum documentation to support the authorized use of physical hedging activities, periodic reports to management, segregation of duties, and internal audit programs, designed to ensure adherence to bank policy and to prevent unauthorized trading and other abuses; (v) safeguards designed to manage the risks associated with storing, transporting, and disposing of commodities of which the bank has taken delivery, including, policies and procedures designed to ensure that the bank has levels of insurance (including insurance for environmental liabilities) which, after deductions, are commensurate with the risks assumed; and (vi) minimum qualifications and appropriate training requirements for bank employees engaged in physical hedging transactions.

CONCLUSION

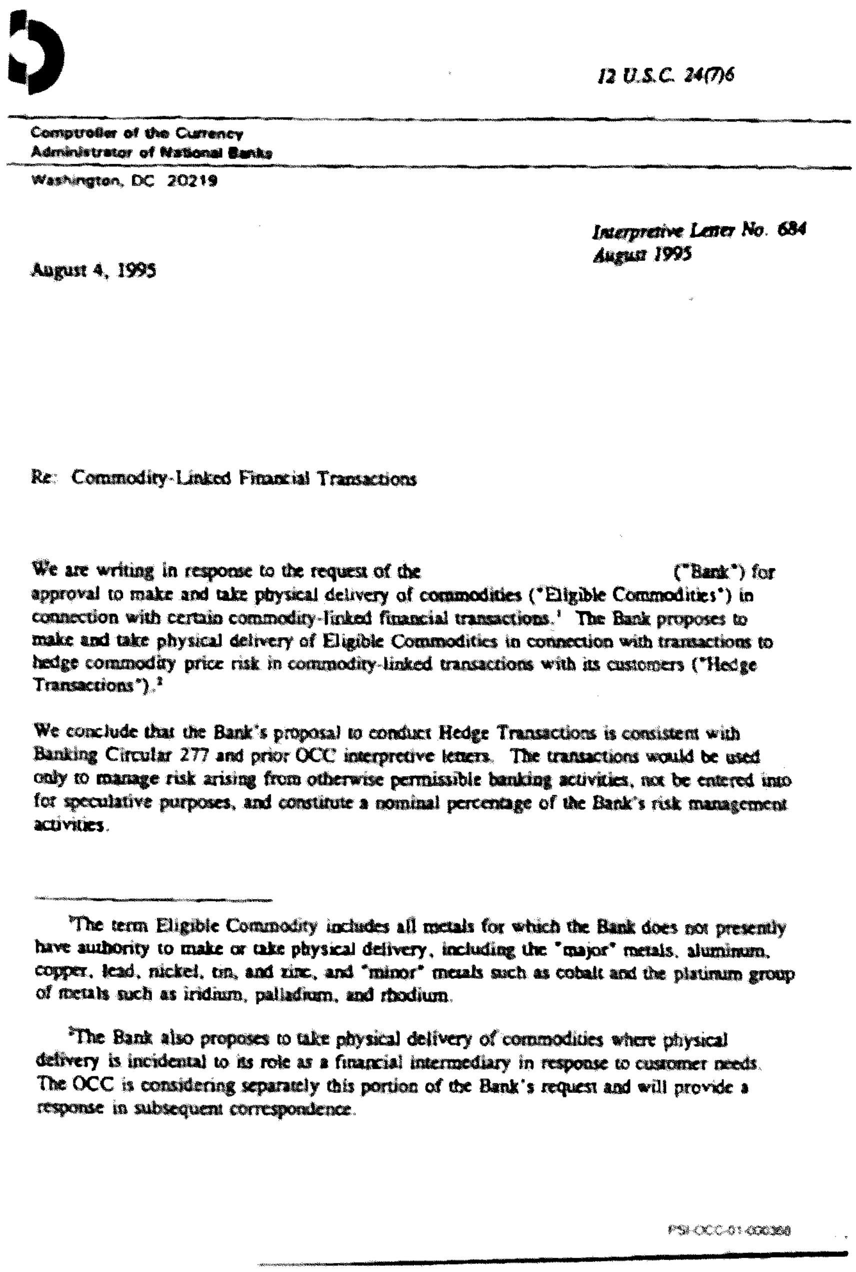
For the reasons discussed above and subject to the limitations contained herein, the OCC believes that it is legally permissible for a national bank to hedge the financial exposure arising from otherwise permissible banking activities in markets that involve physical delivery of commodities and, in connection with such hedging activities, to make or take physical delivery of commodities, transfer or receive transfer of documents of title, and engage in all activities incidental thereto. As indicated above, however, given the potential safety and soundness concerns associated with such activities, the OCC will require any national bank desiring to engage in physical hedging activities to obtain the prior written authorization of the OCC's supervisory staff before engaging in such activities.

If you have any questions regarding the above, please contact Randall M. Ryskamp, Senior Attorney, at (202) 874-5210.

Very truly yours,

William P Bowden Jr.

William P. Bowden, Jr.
Chief Counsel



12 U.S.C. 24(7)6

Comptroller of the Currency
Administrator of National Banks

Washington, DC 20219

Interpretive Letter No. 684
August 1995

August 4, 1995

Re: Commodity-Linked Financial Transactions

We are writing in response to the request of the ("Bank") for approval to make and take physical delivery of commodities ("Eligible Commodities") in connection with certain commodity-linked financial transactions.[1] The Bank proposes to make and take physical delivery of Eligible Commodities in connection with transactions to hedge commodity price risk in commodity-linked transactions with its customers ("Hedge Transactions").[2]

We conclude that the Bank's proposal to conduct Hedge Transactions is consistent with Banking Circular 277 and prior OCC interpretive letters. The transactions would be used only to manage risk arising from otherwise permissible banking activities, not be entered into for speculative purposes, and constitute a nominal percentage of the Bank's risk management activities.

---

[1] The term Eligible Commodity includes all metals for which the Bank does not presently have authority to make or take physical delivery, including the "major" metals, aluminum, copper, lead, nickel, tin, and zinc, and "minor" metals such as cobalt and the platinum group of metals such as iridium, palladium, and rhodium.

[2] The Bank also proposes to take physical delivery of commodities where physical delivery is incidental to its role as a financial intermediary in response to customer needs. The OCC is considering separately this portion of the Bank's request and will provide a response in subsequent correspondence.

I. Facts

The Bank has submitted a plan for undertaking the physical delivery of Eligible Commodities in a variety of Hedge Transactions. The Bank would initiate Hedge Transactions to manage the risks arising out of permissible commodity-linked financial transactions. These transactions would represent an additional hedging tool or be incidental to transactions the Bank currently engages in with its customers. The transactions would supplement the Bank's existing risk management activities and would be customer-driven.

The Bank would not act as dealer or market-maker in Hedge Transactions by quoting prices continuously on both sides of the market. The Bank may, however, enter into Hedge Transactions with firms that are dealers or market-makers. The Bank would not take a position in an Eligible Commodity for the purpose of profiting from price changes, but it may occasionally hold an Eligible Commodity as a result of a transaction that is not perfectly matched. The Bank is not a user of or investor in Eligible Commodities and any amount it would hold from time to time would be small. The Bank's Hedge Transaction activities would be nominal, and no more than 5% of its total transactions involving Eligible Commodities would involve actual physical delivery.

The Bank has represented that, in all Hedge Transactions, it would take delivery of an Eligible Commodity either by warehouse receipts or simultaneous "pass-through" delivery to another party. In no case would the Bank take delivery by receipt of physical quantities of the Eligible Commodity on Bank premises.

For the major metals such as aluminum, copper, lead, nickel, tin, and zinc (and in the case of some minor metals), delivery would take place by warehouse receipts. In most cases, this would involve delivery of receipts issued by warehouses approved by the London Metals Exchange. In other transactions, the Bank would make or take delivery of warehouse receipts issued by warehouses approved by Comex or another major exchange or such other warehouses that are acceptable to the Bank as a credit matter. Upon taking a warehouse receipt, the Bank would usually deliver it under an offsetting transaction with the same settlement date.

In cases where delivery is not by warehouse receipt, the Bank would employ simultaneous pass-through delivery, by notification of one counterparty (the Bank's seller) to deliver directly to another counterparty (the Bank's buyer). The Bank would use this mechanism in transactions involving delivery of minor or strategic metals such as cobalt, iridium or rhodium (although such metals may also settle by warehouse receipts). In such cases, the Bank would not take possession of physical quantities on its premises. Instead, within one business day of the original transaction, it would enter into an offsetting transaction having the same settlement date as the original transaction and deliver on a "pass-through" basis the Eligible Commodity in physical form.

II. Compliance with BC 277 – Policies and Procedures

The Bank has represented that it would manage the risks associated with these activities consistently with Banking Circular 277. Prior to commencing the activities, the Bank would inform and obtain authorization from its Board of Directors. The Bank would incorporate individual transactions in Eligible Commodities and other related information in existing reviews and reports to senior management and the directorate, subject to review by its audit department.

The Bank would manage market or price risk arising from transactions in Eligible Commodities as it does in other derivatives activities. The Bank would not take a net position in Eligible Commodities and, therefore, it should have minimal price risk as a result of these activities.

The Bank would manage its credit risk for the proposed activities as it does in its present activities. The Bank would establish credit lines for warehouses or other agents taking physical delivery for the Bank, and for credit, mark-to-market, and settlement risk, all in accordance with its present policies.

The Bank foresees minimal liquidity risk in the proposed activities, which would be nominal compared to its overall risk management activities. There would be little liquidity risk associated with customer default given the quality of the Bank's prospective counterparties and the fact that the Bank's activities would be limited by market conditions and its perceived ability to cover prospective transactions.

There are few operational risks in the proposal since the Eligible Commodities are not hazardous materials and are non-perishable. The only new operating risks would be risks relating to delivery. Delivery of Eligible Commodities by warehouse receipt resembles the way the Bank sometimes handles delivery of bullion. In cases where warehouse receipts are not used, delivery on a pass-through basis, by instructing one Bank customer to deliver to another Bank customer on the Bank's behalf, presents manageable risks.

The Bank would satisfy itself that Hedge Transaction counterparties have the legal and regulatory authority to enter into such transactions. The Bank would reasonably satisfy itself that the terms of any contract for such transactions are legally sound, as it would for any derivative transaction. The Bank has agreed to allocate sufficient additional capital for the new activities, considering the risks described in Banking Circular 277 and all regulatory requirements for capital. The Bank believes that the proposed Hedge Transactions do not present any accounting issues different from those in its present bullion and commodity swaps businesses.

III. Legal Analysis

The authority of national banks to physically hedge the risks arising from their commodity-linked activities in Hedge Transactions is supported by the National Bank Act and existing precedent. These transactions constitute a permissible banking activity, subject to supervisory concurrence, provided they are conducted in accordance with safe and sound banking practices.

A national bank may engage in activities pursuant to 12 U.S.C. 24(Seventh) if the activities are part of, or incidental to, the business of banking. Section 24(Seventh) expressly provides that national banks shall have the power:

> To exercise . . . all such incidental powers as shall be necessary to carry on the business of banking; by discounting and negotiating promissory notes, drafts, bills of exchange, and other evidences of debt; by receiving deposits; by buying and selling exchange, coin, and bullion; by loaning money on personal security; and by obtaining, issuing, and circulating notes according to the provisions of title 62 of the Revised Statutes.

Although engaging in, and hedging the risks arising from, commodity-linked transactions are not among the enumerated powers of section 24(Seventh), the Supreme Court has rejected a narrow view of the bank powers clause which would interpret the Act as granting to national banks only the five specified powers and such ancillary powers needed to perform those five. The bank powers clause is a broad grant of the power to engage in the business of banking, including, but not limited to, the five specifically recited powers and such other powers that are reasonably necessary to perform not just the enumerated powers, but the business of banking as a whole. See NationsBank v. Variable Life Annuity Co., __ U.S. __, 115 S.Ct. 810 (1995).[3] Many activities that are not included in the enumerated powers, including acting as a financial intermediary through commodity-linked transactions, are also inherent parts of the business of banking. See Interpretive Letter No. 632 (June 30, 1993) and Interpretive Letter No. 494 (December 20, 1989), reprinted in [1989-1990 Transfer Binder] Fed. Banking L. Rep. (CCH) ¶ 83,083.

The Bank's activity is within the authority of a national bank under 12 U.S.C. § 24(Seventh) to engage in the business of banking or activities incidental thereto. Judicial cases affirming OCC interpretations establish that an activity is within the scope of this authority if the activity: (1) is functionally equivalent to or a logical outgrowth of a traditional banking activity; (2) would respond to customer needs or otherwise benefit the bank or its customers; and (3) involve risks similar to those already assumed by banks. The Bank's proposed Hedge Transactions are all permissible for national banks as a means to manage the risks arising from its permissible commodity-linked transactions.

---

[3] See also M & M Leasing Corp. v. Seattle First National Bank, 563 F.2d 1377, 1382 (9th Cir. 1977), cert. denied, 436 U.S. 956 (1978); American Ins. Ass'n v. Clarke, 865 F.2d 278, 282 (2d Cir. 1988); New York State Ass'n of Life Underwriters v. New York State Banking Department, 83 N.Y.2d 353, 632 N.E.2d 876, 880-81 (1994).

National banks may take physical delivery of commodities in Hedge Transactions as a logical outgrowth of, or as a means to manage the risks arising from permissible banking activities, even if they may not purchase as investments the underlying nonfinancial commodities or nonfinancial commodity futures and options. See Letter from Horace G. Sneed, Senior Attorney, Legal Advisory Services Division (March 2, 1992) (unpublished) ("Portfolio Letter") and Banking Circular 79 (3rd Rev) (April 19, 1983) (superseded by Banking Circular 277 (October 27, 1993)) (National banks may use futures, options, and forward contracts to manage interest rate risk associated with their commercial banking activities). Similarly, a national bank may use futures contracts, options, and similar cash-settled, over-the-counter instruments to hedge commodity price risk resulting from unmatched swaps. Banks may use such instruments as hedges on a portfolio basis. See No-Objection Letter No. 90-1 (February 16, 1990), reprinted in [1989-1990 Transfer Binder] Fed. Banking L. Rep. (CCH) ¶ 83,095 and Portfolio Letter.

The Bank's customers seek to engage in Hedge Transactions and would benefit directly from the Bank's ability to take physical delivery of commodities in those transactions. The Bank can use physical delivery in Hedge Transactions to achieve more accurate and economical hedges. As a result, the Bank may offer its customers reduced prices and opportunities to increase their use of Hedge Transactions to reduce financial risk. Customers also would benefit from an increase in competition resulting from the addition of the Bank to the number of financial intermediaries and other entities that would take physical delivery as counterparties in Hedge Transactions.

The risks presented in taking physical delivery in Hedge Transactions are similar to those the Bank currently assumes in its risk management activities. Physical delivery in commodity transactions in fact can help reduce the Bank's overall risks arising from these activities. Sometimes both exchange-traded and cash-settled over-the-counter transactions may provide less than precise hedges, thereby exposing a bank to basis risk, the risk that the price fluctuations of the hedge would not exactly match the price fluctuations of the underlying transaction. The OCC thus has found it permissible for national banks to access the physical markets for hedging purposes, provided that such activities are undertaken in accordance with safe and sound banking practices and would achieve a more accurate and precise hedge than exchange-traded or over-the-counter transactions.[4]

Physical hedging is part of or incidental to the business of banking and a permissible activity for national banks under 12 U.S.C. § 24(Seventh), since physical hedging allows banks to reduce the risks associated with an otherwise permissible banking activity, engaging in commodity-linked transactions. Ancillary activities associated with the physical settlement of hedging transactions, such as the transfer or receipt of documents evidencing title to commodities, and the storing, transporting, and disposing of such commodities, also are permissible for national banks. Interpretive Letter No. 632, supra.

---

[4] The requirement in Interpretive Letter No. 632 that a physical hedge must be the most accurate and precise hedge possible is satisfied when the hedge more effectively reduces risk than a cash-settled hedge. The requirement does not necessarily trigger any additional compliance burdens unique to physical hedges, such as a separate requirement to keep written records of terms for comparable cash-settled hedges.

The Bank's proposal to take physical delivery of certain metals not specifically mentioned in Interpretive Letter No. 632 does not affect the permissibility of the activity. The reasoning in that letter may be applied readily to Eligible Commodities since taking physical delivery in conjunction with hedging activities would help reduce the risk involved in the Bank's risk management activities. In fact, the Bank's proposal would not involve several of the risks associated with physical delivery of commodities that were identified in Interpretive Letter No. 632, such as non-delivery due to force majeure, and storage and transportation risks.

IV. Supervisory Concerns

As with any other banking activity, a national bank that engages in Hedge Transactions involving physical delivery must observe safe and sound banking practices to ensure that it manages appropriately any associated risks. At a minimum, a bank must have in place controls of the type already identified in Banking Circular 277. A national bank may only engage in hedging transactions involving physical settlement where such transactions provide a more accurate hedge than available exchange-traded or over-the-counter transactions, taking into account all of the costs associated with the physical hedging transactions. All physical Hedge Transactions must be customer driven.

Section F.3 of Banking Circular 277 provides guidance concerning physical commodity transactions. This section is applicable to Hedge Transactions and the Bank has structured its proposal to comply with these standards. In particular, a national bank contemplating such transactions "to manage the risks arising out of physical commodity financial derivatives transactions," must obtain the prior approval of the OCC. The transactions must: (a) supplement the bank's existing risk management activities, (b) constitute a nominal percentage of a bank's risk management activities, (c) be used only to manage risk arising from otherwise permissible banking activities, and (d) not be for speculative purposes.

The OCC would expect a national bank that engages in physical Hedge Transactions to adopt and maintain: (i) specific written policies and procedures approved by the board of directors which set forth the circumstances under which physical delivery in Hedge Transactions are permissible, establish permissible strategies for physical delivery in such transactions, and address the relationship between Hedge Transactions and other banking activities; (ii) established position limitations; (iii) a system for monitoring credit risk exposure associated with various customers and dealers with whom operating personnel are authorized to transact business; (iv) appropriate internal controls including minimum documentation to support the authorized use of physical delivery in Hedge Transactions, periodic reports to management, segregation of duties, and internal audit programs, designed to ensure adherence to bank policy and to prevent unauthorized trading and other abuses; (v) safeguards designed to manage the risks associated with storing, transporting, and disposing of commodities of which the bank has taken delivery, including policies and procedures designed to ensure that the bank has adequate levels of insurance (including insurance for environmental liabilities) which, after deductions, are commensurate with the risks assumed; and (vi) minimum qualifications and appropriate training requirements for bank employees engaged in Hedge Transactions.

V. Conclusion

For the reasons discussed above and subject to the limitations contained herein, the OCC concludes that it is legally permissible for a national bank to hedge the financial exposure arising from otherwise permissible banking activities in markets that involve physical delivery of commodities and, in connection with such hedging activities, to make or take physical delivery of commodities, transfer or receive transfer of documents of title, and engage in all activities incidental thereto. As indicated above, however, given the potential safety and soundness concerns associated with such activities, the OCC would require any national bank desiring to engage in physical hedging activities in Hedge Transactions to obtain the prior written authorization of the OCC's supervisory staff before engaging in such activities.

Very truly yours,

Douglas E. Harris
Senior Deputy Comptroller for
Capital Markets

Comptroller of the Currency
Administrator of National Banks

Washington, DC 20219
October 19, 2006

Interpretive Letter #1073
November 2006

Patrick S. Antrim, Assistant General Counsel
Bank of America, N.A.
Legal Department
NC1-002-29-01
101 South Tryon Street
Charlotte, NC 28255

Subject: Portfolio-hedged Metal Derivative Transactions

Dear Mr. Antrim:

Bank of America, N.A. ("Bank") is seeking confirmation from the Office of the Comptroller of the Currency ("OCC") that it is permissible for the Bank and its London branch to engage in customer-driven,[1] metal[2] derivative transactions[3] that settle in cash or by transitory title transfer and that are hedged on a portfolio basis with derivatives that settle in cash or by transitory title transfer. Presently, the Bank has authority to enter into customer-driven, cash-settled derivative transactions on aluminum, nickel, lead, zinc and tin, and simultaneously enter into perfectly matched offsetting derivative transactions on these same reference assets.[4] Under this proposal, rather than simultaneously entering into a perfectly matched offsetting transaction, the Bank will hedge metal derivative transactions on a portfolio basis with exchange-traded and over-the-counter ("OTC") derivative transactions that settle in cash or by transitory title transfer as permitted for the Bank in OCC Interpretive Letter No. 962 in the context of electricity derivative transactions.[5] For the reasons discussed below, based on the facts and representations provided by the Bank, we conclude that the proposed transactions are legally permissible for the Bank, including its London branch. However, before the Bank may engage in such transactions, the Bank must notify its examiner-in-charge ("EIC"), in writing, of the proposed activities and must receive written notification of the EIC's supervisory non-objection, based on the EIC's evaluation of the adequacy of the Bank's risk measurement and management systems and controls to enable the Bank to engage in the proposed activities on a safe and sound basis, and the EIC's evaluation of any other supervisory considerations relevant to the particular proposal.[6]

---

[1] A "customer-driven" transaction is one entered into for a customer's valid and independent business purposes. *See* OCC Interpretive Letter No. 892 (September 13, 2000).

[2] The term "metal" includes all metals (*e.g.*, aluminum, nickel, lead, zinc and tin) other than those that the Bank has the express authority to buy and sell as "exchange, coin and bullion" under 12 U.S.C. § 24(Seventh). *See, e.g.*, OCC Interpretive Letter No. 693 (November 14, 1995), OCC Interpretive Letter No. 685 (August 5, 1995), and OCC Interpretive Letter No. 553 (May 2, 1991). The Bank already has the authority under Section 24(Seventh) to use "exchange, coin and bullion" metals as reference assets for perfectly matched and portfolio-hedged derivative transactions.

[3] "Metal derivative transactions" include forwards, options, swaps, caps, floors and collars, and options on futures, swaps, caps, floors and collars, in which a portion of the return (including interest or principal or payment streams) is linked to metal or the price of metal.

[4] *See, e.g.*, OCC Interpretive Letter No. 1039 (July 25, 2005) ("IL No. 1039")

I. Background

The Bank is an active and significant participant in customer-driven financial intermediation transactions involving a wide range of commodities. The Bank recently received authority to engage in customer-driven, perfectly matched, cash-settled metal derivative transactions on aluminum, nickel, lead, zinc, and tin.[7] Thus, the Bank presently enters into a derivative transaction on aluminum, nickel, lead, zinc, or tin and simultaneously enters into a perfectly matched offsetting derivative transaction. Under the Bank's proposal, it will enter into customer-driven,[8] metal derivative transactions and hedge the transactions, on a portfolio basis, with cash-settled, exchange-traded and OTC metal derivative transactions and transitory title transfers, based on the aggregate unmatched position in the portfolio. The Bank represents that correlative data suggests that the relationship between different metals is not strong enough to allow effective cross-hedging using derivative transactions based on different metal types (*e.g.*, nickel vs. tin). However, the Bank represents that data shows that the business would recognize risk-mitigation benefits by cross-hedging derivative contracts that have different contract specifications, but that are based on like metals (*e g.*, contracts listed on the London Metals Exchange ("LME") for primary aluminum and North American Special Aluminum Alloy ("NASAAC") and the US Commodity Exchange ("COMEX") aluminum contract). Accordingly, the Bank proposes to use such related derivative contracts and take transitory title to the underlying metal in its overall portfolio management. As new derivative transactions are added to the Bank's metal derivative portfolios resulting in changes to the unmatched position, the Bank will adjust its hedging position to manage its aggregate exposure to market risk (*i e.*, the risk to earnings or capital arising from changes in the value of portfolios of metal derivative transactions). The purpose of the proposed hedges, similar to the transactions addressed in IL No. 1039, is to offset market risk from its metal derivative transactions.

---

[5] OCC Interpretive Letter No. 962 (April 21, 2003) ("IL No 962")

[6] The Bank may also engage in customer-driven, perfectly matched, cash-settled derivative transactions on the metals captured by this letter not previously approved for such transactions by the OCC, on the basis of the analysis and subject to the conditions set forth in detail in IL No. 1039.

[7] *See*, IL No. 1039, *supra*

[8] The Bank's customers for this purpose include producers and consumers of metals, utilities, hedge funds, and merchant/trading companies

The Bank believes that the expansion of the Bank's derivatives business to include the proposed transactions is a natural extension of the Bank's existing customer-driven financial intermediation products and encompasses products regularly requested by the Bank's customers. The Bank represents that the purpose of expanding its metal derivative business is to provide risk management and other tools to the Bank's customers in substantively the same manner as is currently done with respect to its existing derivatives business. The major difference between the financial intermediation activities the OCC recently approved for the Bank involving metal derivatives and the proposed activity, is that here the Bank will manage risks arising from derivative transactions on a portfolio basis rather than on a perfectly matched basis. When transactions are perfectly matched, the primary risk to the Bank is counterparty credit risk (*i.e.*, the risk that a counterparty will not make payments according to the terms of the transaction). With portfolio-hedging, the Bank may also be exposed to market risk, basis risk[9] and calendar spread risk,[10] however, these risks will be subject to risk management limits. The Bank has demonstrated the ability to successfully manage and control such risks in its portfolio-hedged electricity derivative transactions.

The Bank represents that portfolio-hedging is a more cost effective means of managing risks arising from permissible derivative activities than perfectly matching transactions because it reduces transactional costs and operational risks (*i.e.*, the risk of incurring financial loss due to human or technical errors). Metals portfolios resulting from customer-driven portfolios will naturally contain offsetting transactions. Thus, the Bank need only hedge the net residual risk position in each portfolio when it engages in portfolio-hedging and manage this risk similarly to how it manages the residual risk in its existing commodities business. With perfectly matched transactions, the Bank must offset each metal transaction that it enters into and pay the costs associated with executing each of these trades. Because the Bank must execute a greater number of transactions to perfectly match transactions than it would if it were portfolio-hedging, there is also greater opportunity for back office error and reconcilement issues in perfectly matched trades.

Periodically the Bank may hedge metal derivative portfolios by using hedging instruments that result in basis risk. Such mismatches, and thus the resulting basis risk, tend to become more pronounced progressively during the life of the transactions, thus making accurate hedging essential. In some instances, cash-settled transactions may provide less than completely accurate hedges. The Bank believes that the ability to engage in metals transitory title transfers will enable the Bank to more accurately and precisely hedge its proposed metal derivative transactions and substantially reduce its basis risk in portfolio-hedged metal derivatives. The Bank represents that it will engage in the proposed title transfer transactions solely for the accommodation of customers or for its own risk management purposes.

---

[9] Basis risk is the risk that the price fluctuations of the hedging instruments will not exactly match price fluctuations of the underlying transactions. *See* OCC Interpretive Letter No. 1060 (April 26, 2006) ("IL No. 1060").

[10] Calendar spread risk occurs when the Bank acquires short and long futures or options positions to hedge metal derivatives on the opposite position(s) on the same metal in the portfolio, which have expiration dates different from the contracts in the portfolio and can potentially result in a gain or loss as the difference between the portfolio and the hedge contracts widens or narrows.

The Bank states that its ability to engage in the proposed activities will enable the Bank to meet the growing demand for these products to manage metal prices by customers such as metal producers and consumers. In addition, the Bank believes that by offering customers a broader range of risk management products that more effectively address their individual risk management needs, the Bank will have the ability to attract a broader customer base. Finally, the Bank represents that by participating in a broader range of markets and expanding its customer base, it may diversify and reduce credit and other risks arising from its financial intermediation business. Accordingly, the Bank believes the proposed transactions will enable it to meet customer demand and operate its metal derivatives business more effectively and efficiently.

In sum, the Bank contends that the proposed transactions pose risks similar in nature to those inherent in its portfolio-hedged electricity derivative transactions (*e.g.*, market risk, basis risk, and calendar spread risk), which it has demonstrated the ability to successfully manage and control. The Bank maintains that the proposed transitory title transfers do not pose risks different from the transitory title activities the OCC addressed in prior OCC precedent in the context of coal and electricity derivative transactions.[11] Notably, because the title transfer transactions involving metals will not entail the physical possession of commodities, these transactions will not involve the customary activities relating to, or risks attendant to, commodity ownership (*e.g.*, storage costs, insurance, and environmental protection).

The Bank expects to clear at least some of the exchange-traded future contracts it enters into, through Banc of Americas Securities Limited ("BASL"), a foreign bank subsidiary of the Bank,[12] and Bank of America Securities LLC ("BAS"), an affiliate of the Bank. The Bank anticipates that either BAS or BASL will act as a clearing member of one or more metal exchanges, or will enter into an introducing broker arrangement to clear through another clearing member of such exchange(s). The Bank represents that if the Bank engages in any transactions subject to sections 23A and 23B of the Federal Reserve Act and the Federal Reserve Board's Regulation W with or through its affiliates in connection with its proposed metal derivative activities, including transactions with third parties that might benefit an affiliate such that the transaction would be attributable to that affiliate under Regulation W, the Bank will do so in compliance with those authorities.

---

[11] *See* IL No. 1060, *supra*, OCC Interpretive Letter No. 1025 (April 6, 2005), and IL No. 962, *supra*

[12] BASL is a foreign bank incorporated in the United Kingdom and, as such, is supervised by the United Kingdom's Financial Services Authority. BASL is a wholly owned subsidiary of the Bank. Under the Federal Reserve Act at 12 U.S.C. § 601 and the Federal Reserve Board's ("Board") implementing Regulation K at 12 C.F.R. § 211.8(b)(1), a member bank has the authority to directly invest in a foreign bank subject to the requirements in U.S. statutes and regulations. The Bank states that it expects BASL to become a clearing member of the LME and to provide clearing services on contracts listed on that exchange on aluminum, NASAAC, aluminum alloy, nickel, lead, zinc, and tin. LME rules provide that LME clearing members must become exchange clearing members of LCH Clearnet Ltd ("LCH"), which is the contracted central counterparty ("CCP") clearinghouse that clears LME contracts. LME Rules, Part 1, Section 1.1.3.1, http://www.lme.co.uk/what_clearing.asp. As the CCP, LCH acts as an intermediary between two parties to a contract, taking on any monetary risk involved (*e.g.*, if one party fails to meet its obligations due to bankruptcy) as guarantor for the trade. *See*, *e.g.*, http://www.lme.co.uk/membership_associatebroker.asp. The LME does not act as a counterparty or guarantor to LME contracts. BASL is not exposed to unlimited liability to either the LCH or the LME for the defaults of other members. A defaulting LME clearing member's unsettled registered LCH contracts are handled under LCH Rules, which provide that an exchange member's liability for the default of other members is limited up to the amount of the member's default fund contribution. LCH Rulebook, *Default Fund Rules 32 - 35*. The rights and liabilities under unsettled LME contracts not registered with LCH are deemed discharged under LME Rules and replaced with an obligation of the defaulter to pay the counterparty or vice versa, a default settlement amount, and does not impose liability on uninvolved counterparties. LME Rules, Part 9, Section 3.3.4. The determination of the default settlement amount by the LME is final, conclusive, and binding upon the defaulter and each counterparty. LME Rules, Part 9, Section 3.6. The Board's Regulation K at 12 C.F.R. § 211.10(a)(18), requires a member bank to give the Board prior notice before any subsidiary joins a mutual exchange or clearinghouse, unless the potential for liability of the subsidiary to the exchange, clearinghouse, or other members of the exchange, as the case may be, is legally limited by the rules of the exchange or clearinghouse to an amount that does not exceed the applicable $ 25

The Bank commits that it will: (1) not engage in metal derivative transactions other than cash-settled transactions and those that settle by transitory title transfer, (ii) not run a proprietary book in metal derivatives (except insofar as that book is created to accommodate customer-driven transactions or as part of the Bank's portfolio hedging strategy), (iii) limit trading in the proposed metal derivatives exclusively to hedge residual open positions arising from customer transactions, (iv) not take physical positions in metals, and (v) conduct its metal derivative business in a safe and sound manner and consistent with prudent risk management practices prescribed the *OCC Handbook: Risk Management of Financial Derivatives*[13] and Banking Circular 277.[14]

The Bank commits that the metal derivative portfolio-hedging and transitory title transfer transactions will be conducted in a manner consistent with the policies, procedures, and controls that it applies to its existing commodities derivatives business.

II. Discussion

For the reasons discussed below, based on the facts and representations provided by the Bank, we conclude that the proposed transactions are legally permissible for the Bank, including its London branch. However, before the Bank may engage in such transactions, the Bank must notify its EIC, in writing, of the proposed activities and must receive written notification of the EIC's supervisory non-objection, based on the EIC's evaluation of the adequacy of the Bank's risk measurement and management systems and controls to enable the Bank to engage in the proposed activities on a safe and sound basis, and the EIC's evaluation of any other supervisory considerations relevant to the particular proposal.

A. National Bank may engage in Customer-driven, Portfolio-hedged Metal Derivative Transactions

---

million general-consent limit under Regulation K at 12 C.F.R. § 211.9(b)(4). The Bank represents that BASL's liability would be less than the applicable $ 25 million general consent limit of 12 C.F.R. § 211.9(b)(4) that would trigger notice to the Federal Reserve Board.

[13] *OCC Handbook: Risk Management of Financial Derivatives* (January 1997) ("*OCC Handbook*").

[14] OCC Banking Circular No. 277 (October 27, 1993) ("BC-277").

The OCC has previously determined that the Bank may engage in perfectly matched cash-settled derivatives on aluminum, nickel, lead, zinc, and tin as a financial intermediary under 12 U.S.C. § 24(Seventh).[15] The Bank now proposes to use any metal not already authorized for the Bank under its 12 U.S.C. § 24(Seventh) "exchange, coin and bullion" authority as a reference asset in portfolio-hedged derivative and transitory title transfer transactions that settle in cash or by transitory title transfer. The ability to engage in these transactions will increase the Bank's hedging options and its ability to control risks in its metal derivatives business. A difference between the activities previously approved for the Bank and those for which approval is sought here is that rather than simultaneously entering into metal derivative transactions with perfectly matched offsetting transactions, the Bank will manage the transactions on a portfolio basis with exchange-traded and OTC cash-settled derivative transactions, in the same manner as the Bank currently manages its electricity derivatives.[16] The Bank will also settle metal derivative transactions by transitory title transfer and hedge these transactions with derivative transactions that settle by transitory title transfer, in a manner previously addressed for the Bank in IL No. 962 in the context of electricity derivative transactions.

The expansion of the Bank's derivatives business to include the proposed transactions is a natural extension of the Bank's existing financial intermediation activities. The OCC has previously addressed the permissibility under Section 24(Seventh) of portfolio-hedging and transactions that settle in cash or by transitory title where the bank takes title to the commodity in a "chain of title" and relinquishes title instantaneously.[17] Portfolio-hedging can be a more cost effective means of managing risks arising from permissible derivative activities than perfectly matching transactions because it reduces transactional costs and operational risks. Portfolio-hedging and transitory title transfer activities allow banks to meet customer demand, and operate more efficiently and effectively. Transitory title transfers also enable banks to participate in markets using this form of settlement and provide customers a broader range of sophisticated risk management tools to address their financial, risk management, and liquidity needs. In conducting transitory title transfers in connection with a permissible derivatives business, banks act as financial intermediaries, ultimately exchanging payments between counterparties managing financial risks or otherwise meeting financial needs.[18] Executing transactions and hedging in this manner is consistent with a portfolio-hedged financial intermediation business.

The risks to which the Bank is exposed under this proposal are similar in nature to those arising in other commodity derivative transactions where the Bank has a demonstrated ability to manage and control such risks. Accordingly, the Bank may act as a financial intermediary in customer-driven, metal derivative transactions that settle in cash or by transitory title transfer, and portfolio-hedge those transactions with metal derivative transactions that settle in cash or by transitory title transfer. Before the Bank engages in the transactions, however, the Bank's EIC must be satisfied that the Bank has established adequate risk measurement and management systems and controls to engage in the activities on a safe and sound basis, as discussed below.

---

[15] *See* IL No. 1039, *supra*

[16] Another difference is that the Bank will enter into derivative transactions with customers on a broader range of metals.

[17] *See, e.g.*, IL Nos. 1060, 1025, and 962, all *supra*

[18] *See, e.g.*, IL No. 1025, *supra*

B. The Portfolio-hedged Metal Derivative Transactions must be Conducted in a Safe and Sound Manner

For the Bank to permissibly engage in the proposed activities, the Bank's risk measurement and management capabilities must be of appropriate sophistication to ensure that the activity can be conducted in a safe and sound manner and in accordance with applicable law. Before the Bank engages in the transactions, the Bank's EIC must be satisfied that the Bank has established adequate risk measurement and management systems and controls to engage in the activities on a safe and sound basis. As detailed further in the *OCC Handbook* and BC-277, an effective risk measurement and management process includes board supervision, managerial and staff expertise, comprehensive policies and operating procedures, risk identification and measurement, and management information systems, as well as an effective risk control function that oversees and ensures the appropriateness of the risk management process. The Bank's risk control processes should include the Bank's compliance with accounting and reporting as stipulated by the instructions for the Consolidated Reports of Condition and Income and generally accepted accounting principles.

In implementing these policies, procedures, and controls, the Bank shall commit to conducting a full evaluation of: (i) pricing, hedging (including portfolio-hedging), processing, recordkeeping, documentation, accounting, "back office" and risk management; (ii) the development of adequate knowledge, staff, oversight management and technology (including contingency planning) to accommodate the activity; (iii) the implementation of appropriate controls; (iv) the establishment, implementation and monitoring of appropriate risk management limits with respect to various types of risks --such as credit, market and basis risk —associated with metal derivatives and transitory title transfers of metal; and (v) Compliance Department training of personnel and development of a supervisory framework designed to ensure compliance with policies and procedures, including trading practices. Risk Control, Operations, Accounting, Legal, Compliance, Audit and Senior and Line Management will all be involved in assuring that the risks undertaken by the Bank are comparable to, and are addressed in ways comparable to those applicable to, the Bank's existing commodity derivative products and business.

In addition to a satisfactory risk management program, the Bank's process must include an independent compliance monitoring program to ensure ongoing compliance with the specific commitments made by the Bank in its proposal, including the commitment to continue to conduct its financial intermediation activities in metal derivatives as a customer-driven and non-proprietary trading business. The compliance-monitoring program should also ensure that the Bank has a supervisory framework that protects against manipulative practices of any kind. An adequate and effective compliance-monitoring program will include policies, training, independent surveillance and well-defined exception approval and reporting procedures.

C. London Branch Activities

National bank foreign branches[19] may engage in general banking activities, which are determined under national banking law.[20] A national bank, via its foreign branch, may engage in such general banking activities, permissible for a national bank in the United States, in a foreign country.[21] Accordingly, the proposed activities may be permissible for the London branch as "general banking activities" permissible for a national bank in the United States on the basis of the analysis set forth in detail above.

III. Conclusion

We conclude that the proposed transactions are legally permissible for the Bank, including its London branch. Before the Bank may engage in such transactions, however, the Bank must notify its EIC, in writing, of the proposed activities and must receive written notification of the EIC's supervisory non-objection, based on the EIC's evaluation of the adequacy of the Bank's risk measurement and management systems and controls to enable the Bank to engage in the proposed activities on a safe and sound basis, and the EIC's evaluation of any other supervisory considerations relevant to the particular proposal. Our conclusions herein are specifically based on the Bank's representations and written submissions describing the facts and circumstances of the subject transactions. Any change in the facts or circumstances could result in different conclusions. If you have any questions please contact Tena M. Alexander, Special Counsel, Securities and Corporate Practices Division, at (202) 874-5210.

Sincerely,

/s/

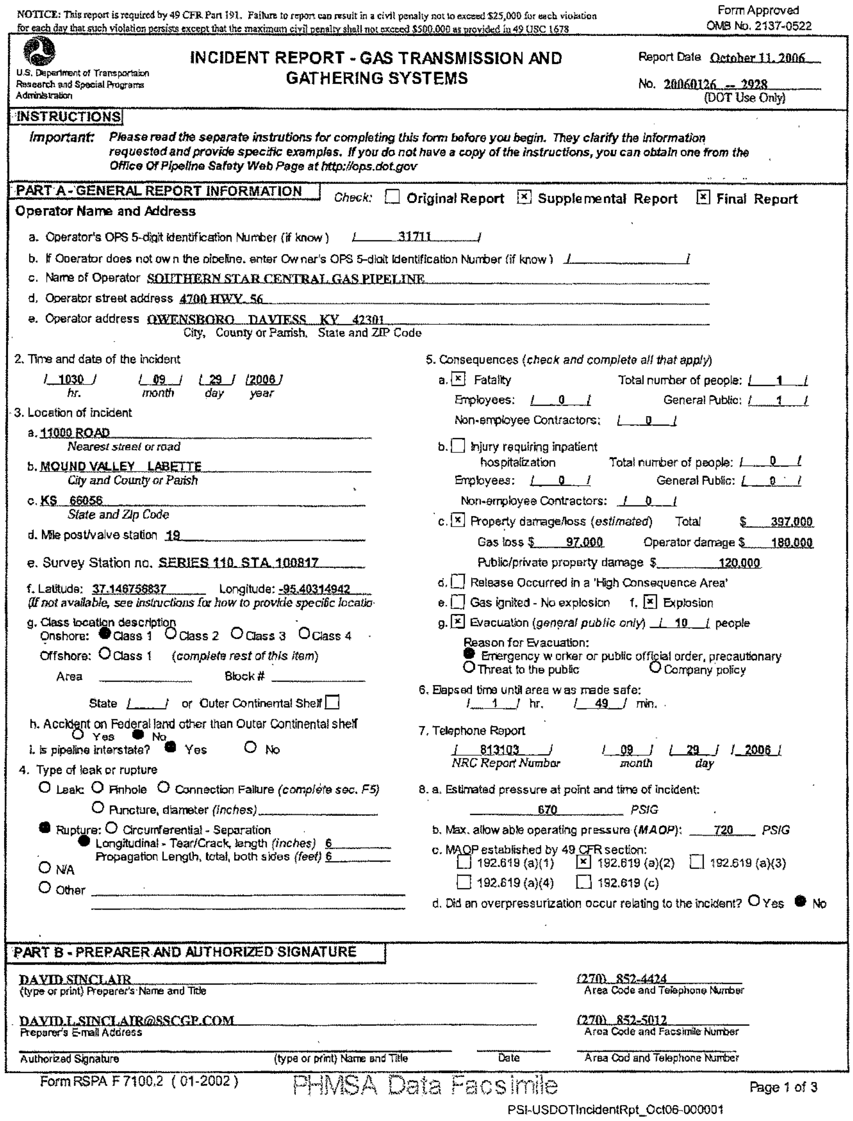
Julie L. Williams
First Senior Deputy Comptroller
and Chief Counsel

---

[19] OCC regulations define the term "foreign branch" to mean an office of a national bank (other than a representative office) that is located outside the United States at which banking or financing business is conducted. 12 C.F.R. § 28.2(d). Similarly, Regulation K defines a "foreign branch" as an office of an organization that is located outside the country in which the organization is legally established and at which a banking or financing business is conducted. 12 C.F.R. § 211.2(k).

[20] *See* 12 U.S.C. § 604a; 12 C.F.R. § 211.4(a).

[21] 12 C.F.R. § 28.4(a).



NOTICE: This report is required by 49 CFR Part 191. Failure to report can result in a civil penalty not to exceed $25,000 for each violation for each day that such violation persists except that the maximum civil penalty shall not exceed $500,000 as provided in 49 USC 1678

Form Approved
OMB No. 2137-0522

U.S. Department of Transportaion
Research and Special Programs
Administration

INCIDENT REPORT - GAS TRANSMISSION AND GATHERING SYSTEMS

Report Date October 11, 2006
No. 20060126 -- 2928
(DOT Use Only)

INSTRUCTIONS

Important: ***Please read the separate instrutions for completing this form before you begin. They clarify the information requested and provide specific examples. If you do not have a copy of the instructions, you can obtain one from the Office Of Pipeline Safety Web Page at http://ops.dot.gov***

PART A - GENERAL REPORT INFORMATION *Check:* ☐ Original Report ☒ Supplemental Report ☒ Final Report

Operator Name and Address

a. Operator's OPS 5-digit Identification Number (if know) /31711/
b. If Operator does not own the pipeline, enter Owner's OPS 5-digit Identification Number (if know) /   /
c. Name of Operator SOUTHERN STAR CENTRAL GAS PIPELINE
d. Operator street address 4700 HWY. 56
e. Operator address OWENSBORO DAVIESS KY 42301
City, County or Parish, State and ZIP Code

2. Time and date of the incident
/1030/ hr. /09/ month /29/ day /2006/ year

3. Location of incident
a. 11000 ROAD
Nearest street or road
b. MOUND VALLEY LABETTE
City and County or Parish
c. KS 66056
State and Zip Code
d. Mile post/valve station 19
e. Survey Station no. SERIES 110, STA. 100817
f. Latitude: 37.146756837 Longitude: -95.40314942
(If not available, see instructions for how to provide specific locatio
g. Class location description
Onshore: ● Class 1 ○ Class 2 ○ Class 3 ○ Class 4
Offshore: ○ Class 1 *(complete rest of this item)*
Area ____ Block # ____
State / / or Outer Continental Shelf ☐
h. Accident on Federal land other than Outer Continental shelf ○ Yes ● No
i. Is pipeline interstate? ● Yes ○ No

4. Type of leak or rupture
○ Leak: ○ Pinhole ○ Connection Failure *(complete sec. F5)*
○ Puncture, diameter *(inches)* ____
● Rupture: ○ Circumferential - Separation
● Longitudinal - Tear/Crack, length *(inches)* 6
Propagation Length, total, both sides *(feet)* 6
○ N/A
○ Other ____

5. Consequences *(check and complete all that apply)*
a. ☒ Fatality Total number of people: /1/
Employees: /0/ General Public: /1/
Non-employee Contractors: /0/
b. ☐ Injury requiring inpatient hospitalization Total number of people: /0/
Employees: /0/ General Public: /0/
Non-employee Contractors: /0/
c. ☒ Property damage/loss *(estimated)* Total $ 397,000
Gas loss $ 97,000 Operator damage $ 180,000
Public/private property damage $ 120,000
d. ☐ Release Occurred in a 'High Consequence Area'
e. ☐ Gas ignited - No explosion f. ☒ Explosion
g. ☒ Evacuation *(general public only)* /10/ people
Reason for Evacuation:
● Emergency worker or public official order, precautionary
○ Threat to the public ○ Company policy

6. Elapsed time until area was made safe:
/1/ hr. /49/ min.

7. Telephone Report
/813103/ *NRC Report Number* /09/ *month* /29/ *day* /2006/

8. a. Estimated pressure at point and time of incident:
670 *PSIG*
b. Max. allowable operating pressure *(MAOP)*: 720 *PSIG*
c. MAOP established by 49 CFR section:
☐ 192.619 (a)(1) ☒ 192.619 (a)(2) ☐ 192.619 (a)(3)
☐ 192.619 (a)(4) ☐ 192.619 (c)
d. Did an overpressurization occur relating to the incident? ○ Yes ● No

PART B - PREPARER AND AUTHORIZED SIGNATURE

DAVID SINCLAIR
(type or print) Preparer's Name and Title

(270) 852-4424
Area Code and Telephone Number

DAVID.L.SINCLAIR@SSCGP.COM
Preparer's E-mail Address

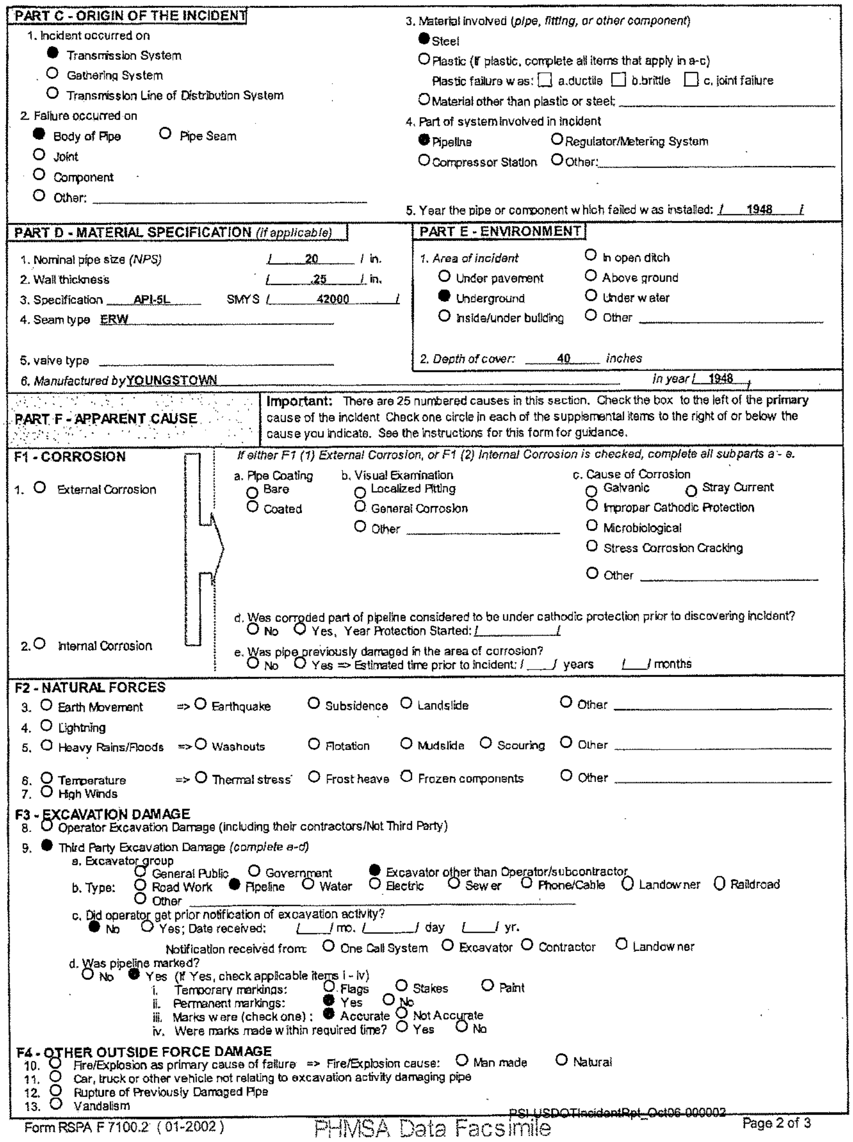
(270) 852-5012
Area Code and Facsimile Number

Authorized Signature ____ (type or print) Name and Title ____ Date ____ Area Cod and Telephone Number ____

Form RSPA F 7100.2 (01-2002)

PHMSA Data Facsimile

Page 1 of 3



PART C - ORIGIN OF THE INCIDENT

1. Incident occurred on
   - ● Transmission System
   - ○ Gathering System
   - ○ Transmission Line of Distribution System
2. Failure occurred on
   - ● Body of Pipe ○ Pipe Seam
   - ○ Joint
   - ○ Component
   - ○ Other: __________
3. Material involved (*pipe, fitting, or other component*)
   - ● Steel
   - ○ Plastic (If plastic, complete all items that apply in a-c)
     - Plastic failure was: ☐ a.ductile ☐ b.brittle ☐ c. joint failure
   - ○ Material other than plastic or steel: __________
4. Part of system involved in incident
   - ● Pipeline ○ Regulator/Metering System
   - ○ Compressor Station ○ Other: __________
5. Year the pipe or component which failed was installed: / 1948 /

PART D - MATERIAL SPECIFICATION *(if applicable)*

1. Nominal pipe size *(NPS)* / 20 / in.
2. Wall thickness / .25 / in.
3. Specification API-5L SMYS / 42000 /
4. Seam type ERW
5. valve type __________
6. *Manufactured by* YOUNGSTOWN *In year* / 1948 /

PART E - ENVIRONMENT

1. *Area of incident*
   - ○ Under pavement
   - ● Underground
   - ○ Inside/under building
   - ○ In open ditch
   - ○ Above ground
   - ○ Under water
   - ○ Other __________
2. *Depth of cover:* 40 *inches*

PART F - APPARENT CAUSE

Important: There are 25 numbered causes in this section. Check the box to the left of the primary cause of the incident. Check one circle in each of the supplemental items to the right of or below the cause you indicate. See the instructions for this form for guidance.

F1 - CORROSION

1. ○ External Corrosion
2. ○ Internal Corrosion

If either F1 (1) External Corrosion, or F1 (2) Internal Corrosion is checked, complete all subparts a - e.

a. Pipe Coating
- ○ Bare
- ○ Coated

b. Visual Examination
- ○ Localized Pitting
- ○ General Corrosion
- ○ Other __________

c. Cause of Corrosion
- ○ Galvanic ○ Stray Current
- ○ Improper Cathodic Protection
- ○ Microbiological
- ○ Stress Corrosion Cracking
- ○ Other __________

d. Was corroded part of pipeline considered to be under cathodic protection prior to discovering incident?
○ No ○ Yes, Year Protection Started: /______/

e. Was pipe previously damaged in the area of corrosion?
○ No ○ Yes => Estimated time prior to incident: /___/ years /___/ months

F2 - NATURAL FORCES

3. ○ Earth Movement => ○ Earthquake ○ Subsidence ○ Landslide ○ Other __________
4. ○ Lightning
5. ○ Heavy Rains/Floods => ○ Washouts ○ Flotation ○ Mudslide ○ Scouring ○ Other __________
6. ○ Temperature => ○ Thermal stress ○ Frost heave ○ Frozen components ○ Other __________
7. ○ High Winds

F3 - EXCAVATION DAMAGE

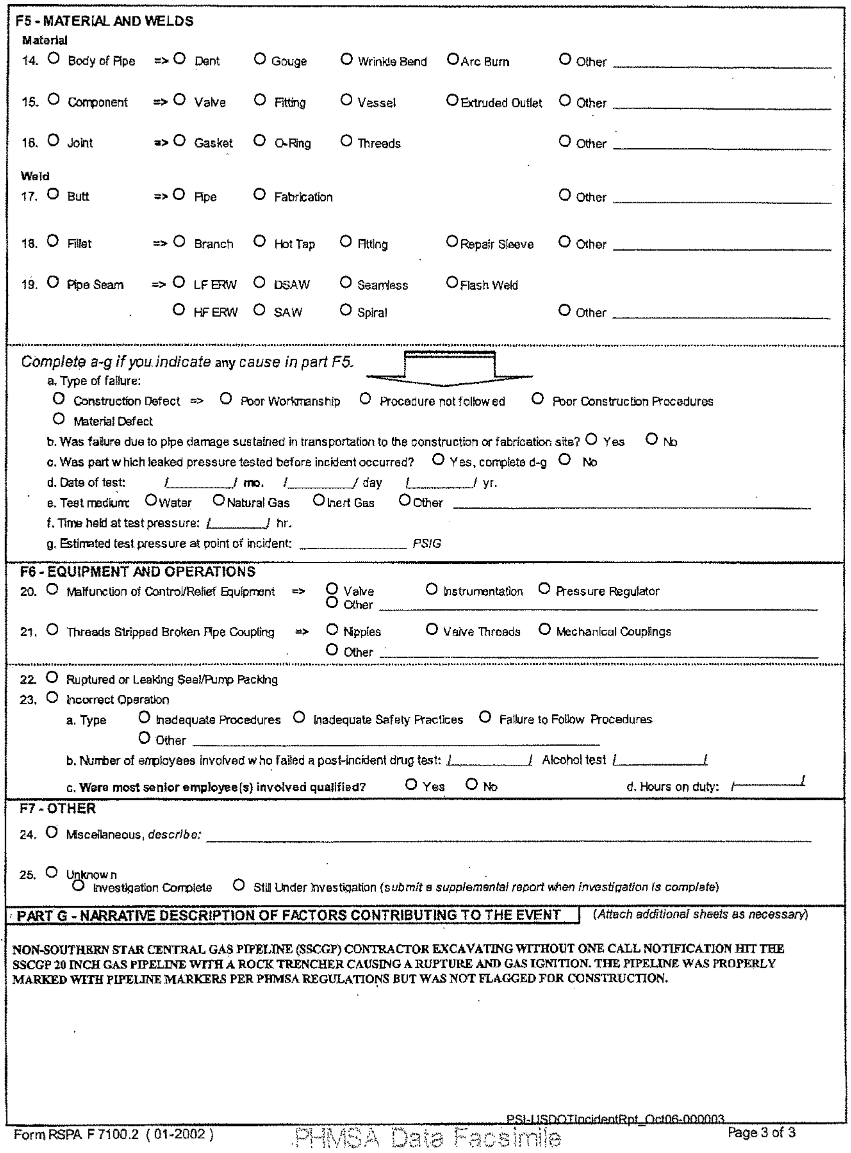
8. ○ Operator Excavation Damage (including their contractors/Not Third Party)
9. ● Third Party Excavation Damage *(complete a-d)*
   - a. Excavator group
     ○ General Public ○ Government ● Excavator other than Operator/subcontractor
   - b. Type: ○ Road Work ● Pipeline ○ Water ○ Electric ○ Sewer ○ Phone/Cable ○ Landowner ○ Railroad
     ○ Other __________
   - c. Did operator get prior notification of excavation activity?
     ● No ○ Yes; Date received: /___/ mo. /____/ day /___/ yr.
     Notification received from: ○ One Call System ○ Excavator ○ Contractor ○ Landowner
   - d. Was pipeline marked?
     ○ No ● Yes (If Yes, check applicable items i - iv)
     - i. Temporary markings: ○ Flags ○ Stakes ○ Paint
     - ii. Permanent markings: ● Yes ○ No
     - iii. Marks were (check one) : ● Accurate ○ Not Accurate
     - iv. Were marks made within required time? ○ Yes ○ No

F4 - OTHER OUTSIDE FORCE DAMAGE

10. ○ Fire/Explosion as primary cause of failure => Fire/Explosion cause: ○ Man made ○ Natural
11. ○ Car, truck or other vehicle not relating to excavation activity damaging pipe
12. ○ Rupture of Previously Damaged Pipe
13. ○ Vandalism

PSI USDOTIncidentRpt_Oct06 000002

Form RSPA F 7100.2 (01-2002) PHMSA Data Facsimile Page 2 of 3



F5 - MATERIAL AND WELDS

Material

14. ○ Body of Pipe => ○ Dent ○ Gouge ○ Wrinkle Bend ○ Arc Burn ○ Other ______

15. ○ Component => ○ Valve ○ Fitting ○ Vessel ○ Extruded Outlet ○ Other ______

16. ○ Joint => ○ Gasket ○ O-Ring ○ Threads ○ Other ______

Weld

17. ○ Butt => ○ Pipe ○ Fabrication ○ Other ______

18. ○ Fillet => ○ Branch ○ Hot Tap ○ Fitting ○ Repair Sleeve ○ Other ______

19. ○ Pipe Seam => ○ LF ERW ○ DSAW ○ Seamless ○ Flash Weld
○ HF ERW ○ SAW ○ Spiral ○ Other ______

Complete a-g if you indicate any *cause in part F5.*

a. Type of failure:
○ Construction Defect => ○ Poor Workmanship ○ Procedure not followed ○ Poor Construction Procedures
○ Material Defect

b. Was failure due to pipe damage sustained in transportation to the construction or fabrication site? ○ Yes ○ No

c. Was part which leaked pressure tested before incident occurred? ○ Yes, complete d-g ○ No

d. Date of test: /______/ mo. /______/ day /______/ yr.

e. Test medium: ○ Water ○ Natural Gas ○ Inert Gas ○ Other ______

f. Time held at test pressure: /______/ hr.

g. Estimated test pressure at point of incident: ______ *PSIG*

F6 - EQUIPMENT AND OPERATIONS

20. ○ Malfunction of Control/Relief Equipment => ○ Valve ○ Instrumentation ○ Pressure Regulator
○ Other ______

21. ○ Threads Stripped Broken Pipe Coupling => ○ Nipples ○ Valve Threads ○ Mechanical Couplings
○ Other ______

22. ○ Ruptured or Leaking Seal/Pump Packing

23. ○ Incorrect Operation

a. Type ○ Inadequate Procedures ○ Inadequate Safety Practices ○ Failure to Follow Procedures
○ Other ______

b. Number of employees involved who failed a post-incident drug test: /______/ Alcohol test /______/

c. **Were most senior employee(s) involved qualified?** ○ Yes ○ No d. Hours on duty: /______/

F7 - OTHER

24. ○ Miscellaneous, *describe:* ______

25. ○ Unknown
○ Investigation Complete ○ Still Under Investigation (*submit a supplemental report when investigation is complete*)

PART G - NARRATIVE DESCRIPTION OF FACTORS CONTRIBUTING TO THE EVENT (*Attach additional sheets as necessary*)

NON-SOUTHERN STAR CENTRAL GAS PIPELINE (SSCGP) CONTRACTOR EXCAVATING WITHOUT ONE CALL NOTIFICATION HIT THE SSCGP 20 INCH GAS PIPELINE WITH A ROCK TRENCHER CAUSING A RUPTURE AND GAS IGNITION. THE PIPELINE WAS PROPERLY MARKED WITH PIPELINE MARKERS PER PHMSA REGULATIONS BUT WAS NOT FLAGGED FOR CONSTRUCTION.

PHMSA Data Facsimile

144 FERC ¶ 61,068

UNITED STATES OF AMERICA
FEDERAL ENERGY REGULATORY COMMISSION

Before Commissioners: Jon Wellinghoff, Chairman;
Philip D. Moeller, John R. Norris,
Cheryl A. LaFleur, and Tony Clark.

In Re Make-Whole Payments and Related Bidding Strategies	Docket Nos. IN11-8-000 IN13-5-000

ORDER APPROVING STIPULATION AND CONSENT AGREEMENT

(Issued July 30, 2013)

1. The Commission approves the attached Stipulation and Consent Agreement (Agreement) between the Office of Enforcement (Enforcement) and JP Morgan Ventures Energy Corporation (JPMVEC). The Commission determines this order is in the public interest because it provides fair and equitable resolution of Enforcement's pending investigations of JPMVEC under Part 1b of the Commission's regulations, 18 C.F.R. Part 1b (2013).

2. The investigations examined JPMVEC's bidding and offering (collectively "bidding") of power plants into the markets operated by the California Independent System Operator Corporation (CAISO) and the Midwest Independent Transmission System Operator, Inc. (MISO)[1] between September 2010 and November 2012. Enforcement investigated potential violations of the Commission's Anti-Manipulation Rule, 18 C.F.R. § 1c.2, and of tariff provisions.

3. JPMVEC admits the facts set forth in Section II of the Agreement, neither admits nor denies the violations set forth in Section III, agrees to pay a civil penalty of $285,000,000, agrees to disgorge alleged unjust profits of $125,000,000, agrees to waive claims for additional Bid Cost Recovery and Exceptional Dispatch payments from CAISO, and agrees to implement additional compliance measures.

---

[1] Effective April 26, 2013, MISO changed its name from "Midwest Independent Transmission System Operator, Inc." to "Midcontinent Independent System Operator, Inc."

4. As set forth below, Enforcement has determined that, through the 12 strategies investigated here, JPMVEC violated the Commission's Anti-Manipulation Rule, 18 C.F.R. § 1c.2, by intentionally submitting bids to CAISO and MISO that falsely appeared economic to CAISO and MISO's market software but that were intended to, and in almost all cases did, lead CAISO and MISO to pay JPMVEC at rates far above market prices.

5. In the Energy Policy Act of 2005, Congress directed the Commission to use its new anti-manipulation authority to combat gaming of energy markets. Consistent with that direction, and based on all of the circumstances of this case, the Commission finds that the agreed relief is fair and equitable and in the public interest.

I. Background

6. As described in the Agreement, JPMVEC is a wholly-owned subsidiary of JPMorgan Chase & Co. During the period under investigation, JPMVEC had market-based rate authority, although its authority was suspended by the Commission for six months starting on April 1, 2013, for violations of the Commission's Market Behavior Rule, 18 C.F.R. § 35.41(b).[2] For the period investigated (September 2010 through November 2012), JPMVEC bid the output of several gas-fired power plants into the CAISO and MISO markets.

7. Following multiple referrals by the CAISO and MISO Departments of Market Monitoring, in August 2011 the Commission directed Enforcement to conduct a formal, non-public investigation of potentially abusive bidding into the CAISO and MISO markets up to that point. *Order Accepting Tariff Revisions and Order of Non-Public, Formal Investigation*, 136 FERC ¶ 61,118 (2011). In October 2012, the Commission directed Enforcement to conduct a formal, non-public investigation of new, potentially abusive bidding practices in the CAISO and MISO markets during 2012. *Order Accepting Tariff Revisions and Order of Non-Public, Formal Investigation*, 141 FERC ¶ 61,069 (2012). In all cases, the entity that had engaged in the practices was JPMVEC.

8. JPMVEC's bidding practices have been the subject of four emergency tariff filings by CAISO or MISO during 2011 and 2012 in which they asked for a tariff change to be effective as of the date of filing, rather than on the date of the Commission's Order, to prevent what the ISO viewed as further abuse while the filing was pending.[3] In addition, CAISO made a fifth tariff filing in 2011 in which it asked for expedited action

---

[2] *Order Suspending Market-Based Rate Authority*, 141 FERC ¶ 61,131 (2012).

[3] *Order Accepting Tariff Revisions and Order of Non-Public, Formal Investigation*, 141 FERC ¶ 61,069 (2012) (granting CAISO tariff filing); *Cal. Indep. Sys. Operator Corp.*, 136 FERC ¶ 61,118 (Aug. 19, 2011) (granting CAISO tariff filing); *Midwest*

(continued...)

by the Commission to block what it viewed as an improper bidding practice.[4] Although respondent was not named in these filings, it was JPMVEC's bidding practices that prompted each of them. In each case, the Commission approved the requested tariff change and made the change effective as of the date of filing (or other early requested date).

II. Stipulation and Consent Agreement

A. Background

9. JPMVEC stipulates to the facts recited in Section II of the Agreement.

10. In both California and the Midwest, entities regulated by the Commission, called Independent System Operators (ISOs), operate wholesale markets for electricity. CAISO operates the California market, and MISO operates the Midwest (now Midcontinent) market.

11. In these regional markets, sellers (generators like JPMVEC's plants) and buyers (such as "load-serving entities," i.e., entities that provide electricity to retail customers) submit prices at which they are willing to transact. In wholesale markets, the units in which energy are traded are megawatt-hours (MWhs).

12. The prices at which electricity is bought and sold in ISOs vary to some extent from one location to another (called "nodes") within the same region. For that reason, market prices for energy are called "Locational Marginal Prices," or "LMPs."

13. CAISO and MISO operate both "Day Ahead" and "Real Time" markets for energy. As the name indicates, the Day Ahead market operates one day ahead of the date on which the energy actually flows through power lines. The Real Time market operates on the day the energy is transmitted, and prices and dispatch levels are resolved shortly before the hour in which the energy is delivered.

14. JPMVEC acquired the right to control the output of most of the power plants at issue in 2008. Those assets came to JPMVEC, along with many others, as part of its parent company's spring 2008 acquisition of the Bear Stearns firm, at a time when Bear Stearns was in severe financial distress.

Indep. Transmission Sys. Operator, Inc., 136 FERC ¶ 61,025 (July 12, 2011) (granting MISO tariff filing); *Cal. Indep. Sys. Operator Corp.*, 135 FERC ¶ 61,110 (May 4, 2011) (granting CAISO tariff filing).

[4] *Cal. Indep. Sys. Operator Corp.*, Docket Nos. ER11-3510-000 and ER11-3510-001 (May 27, 2011) (unpublished letter order) (granting CAISO tariff filing under delegated authority).

15. The plants for which JPMVEC inherited rental (or "tolling") agreements from Bear Stearns included several gas-fired power plants owned by AES in Southern California. The AES plants could collectively produce about 4000 MW of electricity, and were known as the "AES 4000" units. JPMVEC's agreement with AES for these plants extended through May 2018. Under the agreement, JPMVEC was required to pay $170 million in annual rent (called "demand payments") for the AES 4000 plants. JPMVEC also inherited from Bear Stearns bidding rights to a 545 MW gas-fired plant in Michigan called Kinder Jackson.

16. Through the end of 2010, the AES 4000 units had all been subleased (or "retolled") to Southern California Edison. But absent an extension (or a new agreement with a different firm), JPMVEC would control four of the units starting on January 1, 2011, six more starting on January 1, 2012, and others at a later date.

17. The AES 4000 units have relatively high heat rates (that is, they are less efficient than more modern plants). For that reason, the marginal costs of running the plants were typically higher than Day Ahead market prices in CAISO (which averaged about $30 to $35/MWh during this period). Based on their costs, therefore, the units were typically out of the money. JPMVEC's Kinder Jackson plant in Michigan also faced competition from lower-priced sources of energy.

18. The bids under investigation were developed by JPMVEC's Houston-based Principal Investments unit, then headed by Francis Dunleavy. During the relevant period, Dunleavy was one of eight direct reports to Blythe Masters, the head of JP Morgan's Global Commodities Group. Starting in 2010, Dunleavy supervised Andrew Kittell and John Bartholomew, including with respect to bids developed by Principal Investments into CAISO and MISO.

19. In part to develop experience with CAISO before the AES 4000 units began returning to its control starting in 2011, JPMVEC decided to acquire short-term rights to two other Southern California plants (Huntington Beach 3&4, or HB3&4) starting in January 2010.

B. Payment at Market Prices vs. Payment "As Bid"

20. CAISO and MISO ordinarily pay generators at market rates, that is, price times quantity, or LMP * MWhs. In some instances, however, ISOs also pay generators "make-whole" or "uplift" payments, which provide additional compensation to generators when market revenues would not cover what is called the "bid cost" of a resource the ISO has committed. Under the CAISO tariff, bid cost does not mean the unit's actual operating costs (such as fuel costs), but the price the unit has submitted to CAISO. These prices include (a) the unit's bundled price for running at its lowest operating level (called "Pmin") and (b) its per-MWh price for energy above Pmin.

21. If the CAISO system commits a unit in the Day Ahead market that bid at $50/MWh, for example, but the market price (LMP) comes in at $30, the ISO will make a $20/MWh make-whole payment to ensure the unit is paid at least its bid price. In addition, if the CAISO system commits a unit, CAISO will pay the unit at least its Minimum Load Cost for running at Pmin, even if that cost is above market rates. For example, if a unit's Minimum Load Cost is $5,000 for 50 MWh (or $100/MWh), and market prices come in at $30/MWh, the tariff obligates the ISO to provide a $70/MWh make-whole payment to the unit for the MWhs it provided up to Pmin.

22. In CAISO, the principal type of make-whole payment is Bid Cost Recovery (BCR). MISO has several different types of make-whole payments, including Revenue Sufficiency Guarantee (RSG) payments and Day Ahead Market Assurance Payments (DAMAP).

23. The CAISO tariff authorizes the ISO to issue "exceptional dispatches," that is, manual out-of-market dispatch instructions that are not the result of the operation of the automated market system. Exceptional dispatches may include commitments to Pmin (usually given the day before energy actually flows), "incremental" dispatches above Pmin (usually given on the same day the energy flows), or both. Energy delivered pursuant to an exceptional dispatch is typically paid at the higher of the plant's bid price or market rates. Units that have been exceptionally dispatched may also receive certain additional payments for Residual Imbalance Energy.

C. JPMVEC's Bidding Strategies

1. JPMVEC's "Strategy A" in CAISO

24. During the two periods under investigation (September 2010 through June 2011 and March through November 2012), JPMVEC engaged in 12 bidding strategies investigated by Enforcement. JPMVEC began 10 of these strategies while Enforcement's investigation was ongoing.

25. JPMVEC implemented the first strategy (labeled "Strategy A" in the Agreement) starting in September 2010. Over the course of the next six months, JPMVEC collected tens of millions of dollars in make-whole payments (in this case, Bid Cost Recovery) after submitting bids using this strategy.

26. Before JPMVEC began employing Strategy A (that is, from January through August 2010), the HB3&4 plants were infrequently dispatched. With little in revenue from CAISO and substantial demand payments that JPMVEC owed to AES, the two units ran at a loss for those eight months.

27. In September, JPMVEC began employing Strategy A. With this strategy, the economics of the HB3&4 plants changed: instead of losing money, the plants became

highly profitable after BCR payments were taken into account. On September 22, 2010, for example, HB4 made $71,962 in market revenues and paid $106,567 in gas and operating costs, for a loss of $34,605 at market rates. But the units received $159,987 in BCR payments from CAISO, for a daily profit (on a marginal cost basis) of $125,382, despite losing money at market rates.

28. As these numbers reflect, when implementing Strategy A, JPMVEC was frequently paid (as BCR) twice its costs of running at Pmin, along with market revenues for the same Pmin energy.

29. In October 2010, Principal Investments personnel provided Masters and other JPMVEC executives with a spreadsheet projecting future revenues and costs for JPMVEC's California power plants, on the assumption that the firm would successfully use the new bidding strategy for all of the units through 2018. On that basis, the spreadsheet projected net margin (i.e., profits), after demand payments and gas and other operating costs, of between $1.5 and $2.0 billion through 2018.

30. Starting in January 2011, JPMVEC also employed Strategy A with the four AES 4000 plants that returned to JPMVEC's control that month.

31. The particulars of Strategy A are described in the Settlement Agreement. The strategy is also described in CAISO's March 2011 tariff filing, which sought (and received) approval from the Commission to block what CAISO described as "the observed exploitation of the existing bid cost recovery tariff rules."[5]

32. When generators submit bids to CAISO for energy, they specify two prices that are relevant here. First, they submit a bundled price for the energy produced at the lowest level of output (called "Pmin") that the plant can reliably produce. The CAISO tariff allows generators to bid their Pmin energy at up to twice the unit's estimated actual costs.

33. Although generators submit a bundled price (called "Minimum Load Cost") for Pmin energy, that price can be translated into a per-MWh price. In the case of HB3&4, for example, JPMVEC's bundled price of $8,199 for the first 91 MWhs from HB3 translated to a per-MWh price of about $90/MWh (or twice its estimated costs of about $45/MWh). By comparison, Day Ahead market rates in CAISO during this period averaged around $30 to $35.

34. Any time CAISO commits a unit in the Day Ahead market, it is obligated to pay the unit at least its stated price for Pmin energy (i.e., its Minimum Load Cost), even if that price is above market rates. If JPMVEC's bids resulted in a Day Ahead award,

---

[5] California Independent System Operator Corporation, *Tariff Revision and Request for Expedited Treatment*, at 1, Docket No. ER11-3149-000 (March 25, 2011).

therefore, JPMVEC would be paid as bid (at $90/MWh) for its Pmin energy, at twice its costs, even if market prices were much lower.

35. In addition to a bundled price for energy up to Pmin, generators submit per-MWh prices for energy above Pmin, up to the unit's maximum output level (called Pmax). Although JPMVEC's price for its Pmin energy ($90/MWh) was much higher than average Day Ahead market prices of $30 to $35/MWh, JPMVEC submitted the lowest permissible priced bid (-$30/MWh) for energy above Pmin. That is, JPMVEC offered to pay CAISO $30/MWh to take JPMVEC's energy between Pmin and Pmax.

36. JPMVEC's -$30 bids for energy above Pmin were designed to try to achieve an overall average energy price – despite JPMVEC's costly $90/MWh energy up to Pmin – to secure Day Ahead awards from CAISO. Once this happened, JPMVEC would be assured of being paid, at a minimum, twice its costs of running at Pmin.

37. Even if a generator has gotten a Day Ahead award for energy above Pmin, it may not actually produce that energy. In particular, a generator may "buy back" its Day Ahead award – in effect, pay another generator to produce that energy – in the Real Time market. If a generator buys back its entire Day Ahead award, it is described as being "dec'ed down to Pmin" and will be told by CAISO (or "dispatched") to run at that level.

38. In JPMVEC's Strategy A, the firm submitted bids that were generally above Real Time market prices, but only by a small amount. In response to these bids, CAISO often dec'ed JPMVEC's plants down to their Pmin in the Real Time market, and the plants often ran at that level. Real Time bids at higher prices (e.g., $1,000) would have made a dec-down more likely, but could also have reduced JPMVEC's BCR payments.

39. Like other generators, JPMVEC received daily reports from CAISO about whether their units had received awards, in what amounts, and at what price.

40. As JPMVEC was aware, a dec-down to Pmin meant that one element of CAISO's BCR formula, the Metered Energy Adjustment Factor (or MEAF) would be zero. As explained in the Agreement, a dec-down to zero (and hence a zero MEAF) had two important effects in increasing JPMVEC's payments from CAISO.

41. When JPMVEC employed Strategy A, its units typically received Day Ahead energy awards from CAISO above Pmin, and then were dec'ed down to Pmin in the Real Time market. As a result, JPMVEC was paid (as BCR) its full bid price (e.g., $90/MWh) for its Pmin energy, even with market prices averaging $30 to $35/MWh. In addition, JPMVEC received market revenues (i.e., the amount it was paid at market rates in the Day Ahead market less its Real Time buyback expense) for the same energy.

42. JPMVEC employed Strategy A through March 2011 for the HB3&4 plants. During the months it did so, JPMVEC collected market revenues of $21.9 million for

these two plants while spending $29.5 million on gas and operating costs, for a loss at market rates of $7.6 million. But because of $34.6 million in BCR payments, the units generated profits on a marginal cost basis of $27 million over those months, for units that had rarely been dispatched by CAISO before JPMVEC employed this strategy.

43. In January 2011, a team of JPMVEC employees provided Masters with a Powerpoint that discussed both the impact of California's new cap-and-trade program and the firm's BCR revenues. The Powerpoint stated that JPMVEC had "successfully executed a new asset optimization strategy for HB3&4" since September 2010, which "capture[d] the Bid Cost Recovery (BCR) energy revenue." The Powerpoint showed that between September and December 2010, JPMVEC had received $24 million in BCR revenues for the HB3&4 plants. It also showed that during that period for those two plants, JPMVEC received $14 million in market revenues from CAISO and that gas and other operating costs were $17.7 million. In other words, the Powerpoint showed that the units lost millions of dollars at market rates but had a profit of about $20 million (on a marginal cost basis) because of BCR.

2. **JPMVEC's Dealings with the CAISO Market Monitor about Strategy A**

44. In phone calls with the CAISO Market Monitor (MMU) in March and April 2011, when asked about the reasons for the company's bids to CAISO, the Principal Investments personnel who spoke on behalf of JPMVEC stated that their goal was to have the units picked up by CAISO and to respond to the Real Time market. The Principal Investments personnel did not mention BCR or the MEAF as relevant factors.

45. When asked by the CAISO MMU why it submitted negative Day Ahead bids (i.e., -$30/MWh) rather than energy self-schedules, JPMVEC stated that self-scheduling would result in unknowable compensation and could cause JPMVEC to receive payment at a level that is too low. The JPMVEC representatives made this statement to the MMU even though, during January-March 2011, JPMVEC voluntarily self-scheduled units as part of Strategies B and C (see Agreement, ¶¶ 42-45). In response to the MMU's question about JPMVEC's choice of negative bids over self-schedules, the JPMVEC representatives did not mention that, under the CAISO tariff, self-scheduling would make JPMVEC ineligible for BCR.

46. In the spring of 2011, senior representatives from Principal Investments, Compliance, and Global Commodities, along with counsel, participated in discussions about inquiries from the CAISO Market Monitor relating to the firm's bidding into CAISO.

47. In late March 2011, and again in May 2011, the CAISO MMU's office asked JPMVEC for "spreadsheets or other tools used to assess the actual profitability of [the HB3&4 and RB7] units' [schedules] prior to receiving any settlement statements from the

ISO." The company maintained accounting profit and loss (P&L) reports relied on for certain financial purposes but which Principal Investments did not use. On June 13, 2011, JPMVEC provided the Market Monitor with these accounting P&L reports.

48. The Real Time Desk at JPMVEC maintained daily estimate P&L spreadsheets for the plants the company bid into CAISO, which a Principal Investments employee periodically consulted. JPMVEC first provided the Real Time Desk's estimate P&L spreadsheets to the CAISO MMU on October 18, 2011. On February 13, 2012, CAISO imposed a penalty of $486,000 on JPMVEC for what it deemed to be late production of these documents.

3. ISO Issues Relevant to JPMVEC's Other Strategies

49. **Ancillary services.** For reliability reasons, CAISO sometimes needs to externally control generators through a system called Automatic Generation Control (AGC). CAISO obtains the right to do this by purchasing "ancillary services" from generators. Among these services are Regulation Down (or "Reg Down"), which is used to make small downward adjustments in the amount of energy then on the grid. To provide Reg Down or other ancillary services, a generator must be at an output level, usually well above Pmin, at which CAISO can externally control it via AGC.

50. **Self-schedules.** A "self-schedule" in CAISO is a price-taker bid: the generator will accept any price set by the market. The CAISO system implements self-schedule bids by treating them as though the generator had offered to pay CAISO a large sum to accept the generator's services. For example, the CAISO tariff treats an energy self-schedule as though the generator had submitted a bid of -$825/MWh (before April 1, 2011), or -$1100/MWh (after that date), far below the floor (for priced bids) of -$30.[6] Similarly, CAISO implements Regulation Down self-schedules by treating them as though the generator had submitted a priced bid of -$285.[7] A self-schedule, whether for energy or ancillary services, is therefore more attractive than any priced bid.

51. **Respect for operating constraints.** In giving awards to power plants, CAISO and MISO respect the physical limitations of the plants. For example, CAISO's system takes into account that, just as cars can only accelerate or brake at a certain rate, a power plant can only increase or decrease its output (i.e., "ramp up" or "ramp down") at a certain speed, called its "ramp rate." Similarly, ISOs respect the Minimum Run Times submitted by power plants, that is, the shortest period for which the generator may be given an award.

---

[6] CAISO Business Practice Manual for Market Operations, §§ 2.5.2.1 & 6.6.5.

[7] CAISO Business Practice Manual for Market Operations, § 6.6.5.

52. **Day Ahead bidding on two consecutive days**. In both CAISO and MISO, Day Ahead markets operate as their name suggests, namely one day at a time. For example, on Monday, generators submit their Day Ahead bids for Tuesday, and on Monday afternoon the ISO tells generators what awards they have gotten and where Day Ahead market prices for Tuesday have settled. On Monday, when the ISO's system is evaluating Day Ahead bids for Tuesday, it does not "know" what bids generators will submit for the Day Ahead market for Wednesday. Only on Tuesday, after the ISO has already committed itself in the Day Ahead market for all 24 hours of that same day, does the ISO receive a generator's bids for Wednesday. Whatever Day Ahead bids a generator may submit for the opening hours of Wednesday, the ISO does not have the option of changing its Day Ahead awards for Tuesday.

4. JPMVEC's "Strategy B" in CAISO

53. In January 2011, JPMVEC submitted energy self-schedules to CAISO every third hour, while submitting prices of $73/MWh to $98/MWh for the intervening hours. (Again, Day Ahead market prices averaged around $30 to $35/MWh during this period.)

54. In response to these bids, the CAISO system gave JPMVEC large Day Ahead awards during the self-scheduled hour (*i.e.*, every third hour). To respect the units' ramp rates, however, the CAISO system gave the units ramping awards, paid as bid (at $73 to $98/MWh) during the intervening hours.

5. JPMVEC's "Strategy C" in CAISO

55. During January through March 2011, JPMVEC submitted Day Ahead self-schedules to CAISO for the ancillary service Regulation Down. (As discussed above, a self-schedule is a price-taker bid, and more attractive than any priced bid.) For the same hours, JPMVEC submitted Day Ahead energy bids priced at $60 to $88/MWh.

56. The CAISO system honored JPMVEC's Reg Down self-schedules, and also gave it Day Ahead energy awards for the energy needed to support the Reg Down awards, even when the firm's energy bids were out of the money. For the energy provided under those awards, CAISO paid JPMVEC not at market prices but as bid, that is, at $60 to 88/MWh.

6. JPMVEC's "Strategy D" in CAISO

57. From April through June 2011, JPMVEC submitted -$30/MWh Day Ahead bids to CAISO for the end of Day 1. The next day, when it submitted bids for Day 2, it set the price for energy for the hours between midnight and 2 a.m. at $999/MWh.

58. Because CAISO's system evaluated only one day's bids at a time, CAISO gave JPMVEC large Day Ahead awards for the final hours of Day 1. But because CAISO's system honors the physical limitations of power plants (such as ramp rates), the next day

it gave JPMVEC ramp-down Day Ahead awards in the first two hours of Day 2. CAISO paid JPMVEC for those awards at the units' bid price of $999, even though market prices for the period between midnight and 2 a.m. were about $12/MWh.

7. JPMVEC's "Strategy E" in CAISO

59. Between April 14 and 22, 2011, JPMVEC submitted low-priced bids (at $1/MWh) for ancillary services for certain hours, which were awarded by the CAISO system. As discussed above, ancillary service awards require that a generator be at an output level well above Pmin.

60. For the hours in which it had received Day Ahead ancillary service awards, JPMVEC submitted Real Time energy bids at $999. A Real Time bid at that price is likely to result in a dec-down to Pmin, and the CAISO system did in fact dispatch these units at Pmin after receiving those bids. With JPMVEC's plants operating at Pmin – too low a level to perform the ancillary services they had been awarded – CAISO dispatchers issued exceptional dispatches to ramp the units to a higher level at which they could fulfill those awards. CAISO paid JPMVEC at its Real Time bid price ($999/MWh) for these exceptional dispatches.

8. JPMVEC's "Strategy F" in MISO

61. On Friday, October 29, 2010, JPMVEC sent MISO its Day Ahead bids for the Kinder Jackson plant for the next three days (October 30-November 1). For all three days, it set the unit's Minimum Run Time at four hours, No Load Cost (akin to Minimum Load Cost in CAISO) at -$10,000, and energy costs at the end of the day between -$50/MWh and -$60/MWh.

62. The next day, on Saturday afternoon, October 30, Principal Investments personnel learned that Kinder Jackson had gotten a Day Ahead award for the final four hours of Sunday, October 31. Later that Saturday afternoon, Principal Investments personnel changed the Day Ahead bid prices and Minimum Run Times for Monday, November 1: a planned four-hour Minimum Run Time became 20 hours; planned $80/MWh energy prices for the first 14 hours of Monday became $1,000/MWh; and a planned -$10,000 No-Load Cost rose by $20,000 to positive $10,000.

63. Absent a manual intervention by a MISO operator, the strategy would have earned JPMVEC about $2.5 million in make-whole ("Revenue Sufficiency Guarantee") payments, while costing it $123,000 for gas; in other words, MISO would have paid JPMVEC more than 20 times the firm's costs. Without the manual override, the MISO system would have honored JPMVEC's (new) 20-hour Minimum Run Time by giving the plant a Day 2 award for 16 hours (20 minus 4). Through make-whole payments, MISO would have paid the plant as bid, at $1,000/MWh, for 14 hours.

64. In an October 29, 2010 email, JPMVEC compliance staff wrote: "JPMVEC violated MISO's tariff in offers submitted for Kinder Jackson. . . . A Minimum Run Time of 20 hours is inconsistent with the design of the equipment and does not comport with the tariff requirements set forth in Section 39.2.5.c[.]"

9. JPMVEC's "Strategy G" in MISO

65. On February 16, 2011, certain Principal Investments personnel's Day Ahead bids to MISO for the next day alternated from low to high every other hour: around $10/MWh in odd-numbered hours but as high as $178/MWh in even-numbered hours. Although the MISO system gave the units ramping awards based on these bids, it blocked payment of Revenue Sufficiency Guarantee or other make-whole payments during the ramping periods. Without make-whole payments, JPMVEC lost $139,000 that day.

10. JPMVEC's "Strategy H" in MISO

66. In late April 2011, Principal Investments personnel provided low or negative bids in the Day Ahead market in MISO. In the Real Time market, they submitted positive bids, in response to which MISO dec'ed the units to their lowest operating level in Real Time.

67. At that time, MISO's tariff provided that the size of a make-whole payment called Day Ahead Market Assurance Payments ("DAMAP") was determined by multiplying (i) the amount of the unit's dec-down (e.g., 300 MW) by (ii) the difference between the Real Time LMP and the generator's Day Ahead bid (e.g., $30 - (-$15) = $45). (That is, as MISO's May 2011 tariff filing explained, larger dec-downs, and greater differences between a generator's bid price and the Real Time LMP, resulted in larger DAMAP payments.) An internal JPMVEC Compliance memo stated that this MISO bidding strategy "may not be compensatory without unnecessary uplift payments."

11. JPMVEC's 2012 Strategies in CAISO

68. Between March and November 2012, Principal Investments was again given responsibility for submitting bids to CAISO. During that period, JPMVEC employed the following bidding strategies:

(a) For units with a 24-hour Minimum Run Time, JPMVEC submitted Day Ahead bids of -$30/MWh for three hours before midnight on Day 1, and then high-priced bids on Day 2. CAISO's daily notices to JPMVEC showed that the CAISO system often gave the units Day Ahead awards at Pmin for 21 hours on Day 2, while paying JPMVEC the highest Minimum Load Cost permitted by the tariff, i.e., twice the units' estimated actual costs of Pmin energy during those 21 hours.

(b) Again for units with a 24-hour Minimum Run time, JPMVEC self-scheduled units in the Day Ahead market for one hour of the day, while submitting high-priced Day Ahead bids for the other 23 hours of that same day. JPMVEC's self-schedule for one hour was more attractive to CAISO than any priced bid for that hour could have been. CAISO's daily notices to JPMVEC showed that, in addition to the self-scheduled hour, the units received Day Ahead awards at Pmin for the other 23 hours of the day (24-1), while collecting from CAISO twice their estimated actual costs for Pmin energy during those 23 hours.

(c) After receiving a notice that CAISO planned to exceptionally dispatch one of its units during the upcoming hours of a day, JPMVEC changed the unit's Real Time price from below $50/MWh to $1,000/MWh for those upcoming hours.

(d) JPMVEC submitted Day Ahead bids to CAISO at $250/MWh or higher, and Real Time bids of $1,000/MWh, even though those bids would be expected to preclude marketplace awards at high LMPs, to position units to receive exceptional dispatches paid at JPMVEC's $1,000 bid price.

D. Enforcement's Determinations about JPMVEC's Bidding Strategies

69. In the Agreement, JPMVEC acknowledges the elements of its 12 bidding strategies and the awards it received from CAISO and MISO when it implemented those strategies, including many millions of dollars of BCR, DAMAP, and exceptional dispatch payments at above-market rates.

70. Enforcement determined that JPMVEC did in fact design its bidding strategies with the intent to obtain the above-market payments that, over many months, it actually did receive.

71. As explained in Order No. 670, the Commission's Anti-Manipulation Rule, 18 C.F.R. § 1c.2 (2012), prohibits an entity from:

> (1) us[ing] a fraudulent device, scheme or artifice, or mak[ing] a material misrepresentation or a material omission as to which there is a duty to speak under a Commission-filed tariff, Commission order, rule or regulation, or engag[ing] in any act, practice, or course of business that operates or would operate as a fraud or deceit upon any entity; (2) with the requisite scienter; (3) in connection with the purchase or sale of...electric energy...subject to the jurisdiction of the Commission.

72. Enforcement determined that through each of the bidding schemes described above, JPMVEC violated the Anti-Manipulation Rule by engaging in conduct that satisfied each of the three elements set forth in Order No. 670.

73. Each day, JPMVEC received written reports from CAISO and MISO about whether the firm's power plants had been dispatched, at what output levels, and at what price. Enforcement determined that, by reviewing how the CAISO and MISO market

software responded when it tested its strategies, JPMVEC could usually predict the awards that CAISO and MISO would give to JPMVEC. The firm anticipated and intended that its bids would trigger make-whole payments, exceptional dispatch payments, and Residual Imbalance Energy payments to JPMVEC at prices above market rates.

74. Enforcement determined that JPMVEC employed a fraudulent device, scheme or artifice, made false statements or material omissions, or engaged in a course of business that operated or would operate as a fraud on electricity market participants in CAISO and MISO.

75. Enforcement determined that, to make profits from power plants that were usually out of the money, JPMVEC submitted Day Ahead bids that falsely appeared economic to CAISO and MISO's automated market software and that were intended to, and did, lead CAISO and MISO to pay it at rates far above market prices.

76. Enforcement further determined that JPMVEC's bids were not grounded in the normal forces of supply and demand, and they were expected to, and did, lose money at market rates. JPMVEC's purpose in submitting the bids was not to make money based on market fundamentals, but to create artificial conditions that would cause the CAISO system to pay JPMVEC outside the market at premium rates.

77. Enforcement determined that JPMVEC made money-losing bids in the Day Ahead and Real Time markets to trigger payments from out-of-market compensation systems designed to ensure fair results to units that had been bid in good faith to seek to make money in the marketplace.

78. Enforcement determined that JPMVEC's low-priced bids induced (or sought to induce) the CAISO and MISO systems into giving JPMVEC (i) unnecessary uplift payments (such as BCR, DAMAP, or RSG), (ii) other improper as-bid payments (such as exceptional dispatches at $999/MWh to enable CAISO to get the benefit of otherwise infeasible Ancillary Service awards to JPMVEC), and (iii) improper Residual Imbalance Energy payments. Enforcement determined that through the strategies, JPMVEC received millions of dollars in unnecessary payments from CAISO and MISO, and would have received more if all of the strategies had worked as JPMVEC had hoped.

79. Enforcement determined that JPMVEC knew that the ISOs received no benefit from making inflated payments to JPMVEC, and thus defrauded the ISOs by obtaining payments for benefits (beyond the routine provision of energy) that JPMVEC did not deliver.

80. Enforcement determined that JPMVEC's Day Ahead bids (such as -$30/MWh in CAISO and -$15/MWh in MISO) displaced other generation and altered Day Ahead and

Real Time LMPs and congestion values from the prices that would have resulted had JPMVEC not submitted these bids.

81. Enforcement determined that all of these schemes interfered with and distorted well-functioning markets in CAISO and MISO.

82. Enforcement also determined that JPMVEC violated Section 39.2.5.c of the MISO tariff when it increased the Minimum Run Time of the Kinder Jackson unit from the plant's actual Minimum Run Time of four hours to 20 hours on multiple trade dates in October and November 2010, including trade date November 1, 2010.

E. The Relationship Between Tariff Violations and Market Manipulation

83. Market manipulation under the Commission's Rule 1c is not limited to tariff violations.[8] That Rule 1c is not so limited is by design. In the wake of Enron's schemes in the CAISO market, the Energy Policy Act of 2005 gave the Commission "broad authority to prohibit manipulation"[9] and "an intentionally broad proscription against all kinds of deception, manipulation, deceit and fraud."[10] Both the breadth of Congress' authorization to the Commission and the breadth of the Anti-Manipulation Rule itself are a response to what courts have long recognized: the impossibility of foreseeing the "myriad means" of misconduct in which market participants may engage.[11] For that

---

[8] Many of the Commission's major enforcement actions under Rule 1c (whether litigated or settled) have concerned, either in whole or in part, market manipulation in the absence of a violation of a specific tariff provision or comparable specific market rule. *See Barclays Bank PLC, Daniel Brin, Scott Connelly, Karen Levine, and Ryan Smith*, 144 FERC ¶ 61,041 (2013); *In re PJM Up-To Congestion Transactions (Oceanside Power)*, 142 FERC ¶ 61,088 (2013); *Deutsche Bank Energy Trading, LLC*, 142 FERC ¶ 61,056 (2013); *Gila River Power, LLC*, 141 FERC ¶ 61,136 (2012); *Rumford Paper Co.*, 140 FERC ¶ 61,030 (2012); *Constellation Energy Commodities Group, Inc.*, 138 FERC ¶ 61,168 (2012); *Energy Transfer Partners, L.P.*, 128 FERC ¶ 61,269 (2009); *Amaranth Advisors, LLC*, 128 FERC ¶ 61,154 (2009); *see also In re Amanat*, Exchange Act Release No. 54,708, 89 SEC Docket 672, 2006 WL 3199181, at *7-8 (Nov. 3, 2006) (fraud under SEC's Rule 10b-5 for submission of sham trades to earn payment based on high trade volume, where no specific rule barred submission of sham trades), *aff'd mem. sub nom. Amanat v. SEC*, 269 Fed. App'x 217 (3d Cir. 2008).

[9] *Order Denying Rehearing (Amaranth)*, 121 FERC P 61,224, at P 17 (2007).

[10] *Id.* P 21.

[11] *Cargill, Inc. v. Hardin*, 452 F.2d 1154, 1163 (8th Cir. 1971) ("The methods and techniques of manipulation are limited only by the ingenuity of man."); *see also Order Denying Rehearing (AEP)*, 106 FERC ¶ 61,020, at P 48 (2004).

reason, as the Commission observed in 2006, "[N]o list of prohibited activities could be all-inclusive."[12] Instead, as Order No. 670 emphasizes, fraud is a question of fact to be determined by all the circumstances of a case,[13] not by a mechanical rule limiting manipulation to tariff violations.

84. Conduct, as opposed to a specific false oral or written statement, is sufficient to establish a violation of Rule 1c, which is patterned on the SEC's Rule 10b-5. *See Stoneridge Investment Partners, LLC v. Scientific-Atlanta, Inc.*, 552 U.S. 148, 158 (2008) ("If [the Court of Appeals'] conclusion were read to suggest there must be a specific oral or written statement before there could be liability under § 10(b) or Rule 10b-5, it would be erroneous. Conduct itself can be deceptive, as respondents concede."); *In re Amanat*, Exchange Act Release No. 54,708 (Nov. 3, 2006), *aff'd mem. sub nom. Amanat v. SEC*, 269 Fed. App'x 217 (3d Cir. 2008) (liability based on falsehoods communicated through conduct, namely submission of market data based on sham transactions).

F. Agreed Relief

85. As set forth in the Agreement, JPMVEC has agreed to pay a civil penalty of $285,000,000, to disgorge alleged unjust profits of $125,000,000, and to implement

---

[12] *Order Revising Market-Based Rate Tariffs and Authorizations*, 114 FERC ¶ 61,165, P 24 (2006) ("Furthermore, we recognize that fraud is a very fact-specific violation, the permutations of which are limited only by the imagination of the perpetrator. Therefore, no list of prohibited activities could be all-inclusive. The absence of a list of specific prohibited activities does not lessen the reach of the new anti-manipulation rule, nor are we foreclosing the possibility that we may need to amplify section 1c.2 as we gain experience with the new rule, just as the SEC has done."); *see* Order No. 670, FERC Stats. & Regs. ¶ 31,202 at P 50 ("Fraud is a question of fact that is to be determined by all the circumstances of a case."); *see also Order Denying Rehearing (Gaming Order)*, 106 FERC ¶ 61,020, at P 45 (2004) ("Enron (and others) would demand that a regulatory agency have the prescience to include in a rate schedule *all* specific misconduct in which a particular market participant could conceivably engage. That standard is unrealistic and would render regulatory agencies impotent to address newly conceived misconduct and allow them only to pursue, to phrase it simply, last year's misconduct – essentially, to continually fight the last war and deny the capability to fight the present or next one.") (emphasis in original); *Amendments to Blanket Sales Certificate*, Order No. 644, 105 FERC ¶ 61,217, at P 33 (2003) ("The courts have recognized, in this regard, that specific regulations cannot begin to cover all of the infinite variety of cases to which they may apply and that '[b]y requiring regulations to be too specific, [courts] would be opening up large loopholes allowing conduct which should be regulated to escape regulation.'") (citation omitted).

[13] Order No. 670, FERC Stats. & Regs. ¶ 31,202 at P 50.

additional compliance procedures, including a comprehensive external assessment of its policies and practices in the power business. JPMVEC has also agreed to waive any claims for additional BCR payments (for awards through March 25, 2011) or for additional payments for exceptional dispatches between April 12, 2012 and the Effective Date (i.e., the date of this Order).

III. Determination of the Appropriate Sanctions

86. In determining the appropriate remedy, Enforcement considered the factors described in section 316A(b) of the Federal Power Act and in the Revised Policy Statement on Penalty Guidelines. Specifically, Enforcement considered, among other things, the large financial gains that JPMVEC obtained from its conduct; the large financial losses to others caused by that conduct; the intentional nature of the conduct; the involvement of high level personnel; JPMVEC's large size; JPMVEC's continuation of the conduct for more than 350 days; the company's failure to self-report any of the conduct; and the serious harm that JPMVEC's conduct caused in the Commission's jurisdictional markets.

87. Under the Energy Policy Act of 2005, one of the Commission's core responsibilities is detecting, preventing, and appropriately sanctioning the gaming of energy markets. The Commission concludes that the civil penalty, disgorgement of unjust profits, and compliance improvements set forth in the Agreement are fair and equitable resolutions of the matters concerned and are in the public interest, as they reflect the nature and seriousness of JPMVEC's conduct and recognize the company-specific considerations as stated above and in the attached Agreement.

88. The Commission directs CAISO to promptly allocate JPMVEC's $124 million disgorgement payment for the benefit of current CAISO ratepayers through an internal accounting procedure, and directs MISO to promptly allocate JPMVEC's $1 million disgorgement payment for the benefit of current MISO ratepayers through an internal accounting procedure.

89. Finally, in light of the record here, we remind all persons under investigation of the importance of candor and accuracy during all stages of Market Monitor inquiries and Commission investigations.

The Commission orders:

(A) The attached Stipulation and Consent Agreement is hereby approved without modification.

(B) This order terminates Docket Nos. IN11-08-000 and IN13-05-000.

By the Commission.

(S E A L)

Kimberly D. Bose,
Secretary.

UNITED STATES OF AMERICA
FEDERAL ENERGY REGULATORY COMMISSION

In Re Make-Whole Payments) Docket Nos. IN11-08 & IN13-05
and Related Bidding Strategies)

STIPULATION AND CONSENT AGREEMENT

I. Introduction

1. The staff of the Office of Enforcement (Enforcement) of the Federal Energy Regulatory Commission (Commission) and J.P. Morgan Ventures Energy Corporation (JPMVEC) enter into this Stipulation and Consent Agreement (Agreement) to resolve an investigation conducted under Part 1b of the Commission's regulations, 18 C.F.R. Part 1b (2012). The investigation examined JPMVEC's bidding and offering (collectively "bidding") of power plants into the markets operated by the California Independent System Operator Corporation (CAISO) and the Midwest (now Midcontinent) Independent Transmission System Operator, Inc. (MISO) between September 2010 and November 2012. Enforcement examined potential violations of the Commission's Anti-Manipulation Rule, 18 C.F.R. § 1c.2, and ISO tariff provisions.

II. Stipulations

Enforcement and JPMVEC (on its own behalf) hereby stipulate and agree to the following facts:

Background: JPMVEC's Power Plant Assets

2. In the spring of 2008, as Bear Stearns (Bear) faced economic troubles, JP Morgan acquired Bear. Among the assets JP Morgan acquired with that deal were rights relating to gas-fired power plants in California and Michigan. In particular, a Bear entity had long-term tolling agreements (through May 2018) to several gas-fired power plants owned by AES in Southern California. (A tolling agreement allows a firm to purchase fuel for the plant and sell the plant's output.) Because these AES plants could collectively produce about 4000 MW of electricity, the plants were known as the "AES 4000" units. Under the contract with AES, each year JPMVEC owed approximately $170 million in "demand payments" (effectively, rent payments for the tolling rights). Bear also had (and JP Morgan acquired) rights to a gas-fired plant in Michigan called Kinder Jackson.

With both the AES 4000 and Kinder Jackson plants, the relevant rights were held by JPMVEC, a direct subsidiary of JPMorgan Chase & Co.

3. As of 2008, the rights to control the AES 4000 units had all been subleased (in industry terms, "retolled") to Southern California Edison (SCE). The retolling agreements were for fixed periods, and absent an extension (or a new agreement with a different firm), JPMVEC would itself control four of the units starting on January 1, 2011, six more starting on January 1, 2012, and others at a later date. The four plants that returned to JPMVEC's control in 2011 were Alamitos 3 & 4 (AL3&4), Huntington Beach 1 (HB1), and Redondo Beach 7 (RB7).

4. The AES 4000 units are steam boiler plants, which were built in the 1950s and 1960s and have relatively high "heat rates" (that is, they are less efficient than more modern plants). For that reason, the costs of running the units were often higher than "Day Ahead" market prices (discussed below) in the California markets. JPMVEC's Kinder Jackson plant in Michigan, although more modern than the AES 4000 plants, also faced competition from lower-priced sources of energy.

5. As of June 2013, JPMVEC had effectively sold its interest in the AES 4000 units by retolling them to third parties for the remainder of the contract term with AES. JPMVEC currently owns the Kinder Jackson plant. Beginning in the summer of 2010, JP Morgan made extensive efforts to sell its interests in the Kinder Jackson plant and is actively engaged in the sales process.

6. During the relevant period, JPMVEC's energy business included activities such as energy-related merchant banking and structured transactions for the firm and its clients and related hedging and risk-mitigation transactions ("transactional activities"); bidding power from generation on behalf of the firm and others; and purchasing and selling physically and financially settled power and gas.

7. The bids under investigation were developed by JPMVEC's Houston-based Principal Investments unit, then headed by Francis Dunleavy. Dunleavy moved (along with many other Bear employees) to JP Morgan in 2008. He was one of eight direct reports to Blythe Masters, the head of the Global Commodities Group, which employed more than 650 people in 20 countries during the period under investigation. Andrew Kittell likewise came to JP Morgan from Bear. In July 2010, John Bartholomew, who was familiar with the California market from his previous job at SCE, joined the Principal Investments team. Starting in 2010, Dunleavy supervised Kittell and Bartholomew, including with respect to bids developed by Principal Investments for the company's California

and Michigan power plants into the CAISO and MISO markets. (Dunleavy, Kittell, and Bartholomew are referred to below as the "Principal Investments personnel.") The Principal Investments personnel are currently employed at JP Morgan. Because the firm retolled the AES 4000 units in June 2013, the Principal Investments personnel are going to work only on transactional activities.

8. Knowing that certain of the AES 4000 units would be returning to its control starting in 2011, JPMVEC decided to acquire short-term rights to two other Southern California plants (Huntington Beach 3&4, or HB3&4) starting in January 2010. One reason JPMVEC did this was to develop experience with the California market before the AES 4000 plants began returning to JPMVEC's control in January 2011.

9. During the first eight months of 2010, JPMVEC experimented with a variety of ways of bidding HB3&4 into the California market, but the units were infrequently dispatched. With little in revenue from the market and substantial demand payments owing to AES, the two units ran a loss for those eight months. In the months that followed, JPMVEC developed new bidding strategies in the CAISO and MISO markets, as described below.

Background: Regional Electricity Markets

10. In both California and the Midwest, entities regulated by the Commission, called Independent System Operators (ISOs), operate wholesale markets for electricity. CAISO runs the California market and MISO runs the Midwest (now Midcontinent) market.

11. In these regional markets, sellers (generators like the plants that JPMVEC controlled) and buyers (in particular, "load-serving entities," that is, companies that provide electricity to retail customers) submit prices at which they are willing to transact. The units in which energy is traded in wholesale markets are megawatt-hours (MWhs), equivalent to 1,000 kilowatt-hours.

12. The prices at which electricity is bought and sold in ISOs vary to some extent from one location to another (called "nodes") within the same region. For that reason, market prices for energy are called "Locational Marginal Prices," or "LMPs."

13. CAISO and MISO operate both "Day Ahead" and "Real Time" marketplaces for energy. In both cases, market participants learn about market prices each day but do not get contemporaneous information about other generators' bids or awards. Market participants do receive daily information from the ISO about whether they have received awards, in what amounts, and at what price.

14. As its name suggests, the Day Ahead market operates one day ahead of the date on which the energy is actually delivered. The Real Time market operates on the day the energy is transmitted, and prices and dispatch levels are resolved shortly before the hour in which the energy flows on power lines. Day Ahead and Real Time prices may be different for the same hour. A unit's actual dispatch instructions in Real Time may be different than its Day Ahead award if, for example, the unit "buys back" its Day Ahead award in the Real Time market or sells additional energy to the ISO in that market.

15. In the Day Ahead market, generators submit prices to ISOs for three different components of energy production. In the case of CAISO, the two that are relevant here are as follows: *First*, once each month, generators provide CAISO with a bundled price for the energy a plant produces up to Pmin, which is the lowest level of output that the plant can reliably produce. (For the HB3&4 units that JPMVEC controlled during 2010 and 2011, for example, the Pmin was 91 MW.) The bundled price for the energy a plant produces at Pmin is called "Minimum Load Cost" in CAISO.

16. Under the CAISO tariff, generators are allowed to submit Minimum Load prices of up to twice their actual costs (or more precisely, twice their estimated actual costs). For example, for the month of September 2010, JPMVEC submitted a Minimum Load Cost price for HB3 of $8,199. This was the highest price that JPMVEC was permitted to submit to CAISO under the tariff, at twice the plant's "proxy cost" (estimated actual operating cost) of about $4,100.

17. *Second*, generators submit daily prices (which may vary by hour and are not required to be at marginal cost) for "incremental" energy between their Pmin and their maximum output level, called Pmax. For example, for the HB3&4 units, JPMVEC submitted hourly prices for the energy between Pmin (91 MW) and Pmax (around 225 MW). The CAISO tariff allowed these prices to range between -$30/MWh and $750/MWh, later raised to $1,000/MWh, and JPMVEC's bids all fell within that range.

18. In the terminology used by CAISO and MISO, if the ISO agrees to buy energy from a generator, the ISO gives the unit an "award" or "picks the unit up." The smallest award a generator can get is at the unit's Pmin.

19. If a generator receives a Day Ahead award from CAISO or MISO, that does not mean it will actually produce all of the energy for which it has received a Day Ahead award. For example, a generator that has received a Day Ahead award to its Pmax could receive a Real Time instruction from the ISO requiring it either to (a) produce the energy itself or (b) buy the award back in the Real Time market. If the generator buys back a Day Ahead award, it is described

as receiving a "decremental" energy award, and is said to have been "dec'ed down." If a generator buys back its entire incremental energy award, it is "dec'ed down to Pmin," and is directed by the ISO to operate at that level.

20. In the Real Time market, a generator is a potential buyer as to whatever MWhs it has been awarded (above its Pmin) in the Day Ahead market. If a generator has received a Day Ahead award to its Pmax, for example, it can submit bids in the Real Time market seeking to buy back its incremental energy above Pmin. If its Real Time bids are higher than the Real Time market price (LMP), the generator will buy back its Day Ahead award at the Real Time LMP.

21. If a generator has not sold all of its output in the Day Ahead market, it has the opportunity to sell additional energy in the Real Time market. The sale of incremental energy in the Real Time market is called "inc'ing." In this situation, if a generator's Real Time bids are lower than the Real Time market price (LMP), the generator will sell additional energy to the ISO at the Real Time LMP.

22. CAISO and MISO ordinarily pay generators at market rates, that is, price times quantity, or LMP * MWhs. Generators that are given awards are paid at the market rate (LMP), even if their bids were lower than the LMP.

23. In some instances, however, ISOs also pay generators "make-whole" or "uplift" payments pursuant to the applicable tariff, which provide additional compensation to generators when market revenues are insufficient to cover the "bid cost" of a resource the ISO has committed. Under the tariff, bid cost means the price the unit has submitted to CAISO (e.g., the unit's Minimum Load Cost and its bid prices for incremental energy), not its actual costs of operating. If CAISO commits a unit in the Day Ahead market that bid at $50/MWh, for example, but the market price (LMP) comes in at $30, the ISO will make a $20/MWh make-whole payment to ensure the unit is paid at least its bid price. In addition, if CAISO commits a unit, the tariff obligates it to pay the unit at least its Minimum Load Cost for running at Pmin, even if that cost is above market rates. For example, if a unit's Minimum Load Cost is $5,000 for 50 MWh (or $100/MWh), and market prices come in at $30/MWh, the tariff obligates the ISO to provide a $70/MWh make-whole payment to the unit for the MWhs it provided up to Pmin.

24. In CAISO, the principal type of make-whole payment is Bid Cost Recovery (BCR). MISO has several different types of make-whole payments, including Revenue Sufficiency Guarantee (RSG) payments and Day Ahead Market Assurance Payments (DAMAP).

25. CAISO sometimes issues "exceptional dispatches," that is manual out-of-market dispatch instructions that are not the result of the operation of market software. These may include commitments to Pmin (usually given the day before energy flows), incremental dispatches above Pmin (usually given the day the energy flows), or both. Such exceptional dispatches are typically paid at the higher of the plant's bid price or market rates (LMPs). Units that have been exceptionally dispatched may also receive certain additional payments for Residual Imbalance Energy.

JPMVEC's Bid Strategies in CAISO and MISO Between September 2010 and June 2011

26. Enforcement investigated bidding strategies employed by JPMVEC in CAISO and MISO during this period. The strategies are described here.

CAISO Strategies

27. **Strategy A (September 2010 to March 2011).** Beginning on September 8, 2010 for the HB3 and HB4 units, JPMVEC implemented a new bid strategy developed by Principal Investments personnel. JPMVEC used the strategy with HB3&4 through March 2011, as well as (at least some of the time) with the four AES 4000 plants that returned to JPMVEC's control in January 2011.

28. During the first month in which the new strategy was implemented (September 2010), revenues from the HB3&4 units increased to several million dollars, up from much lower amounts during the preceding eight months. In October 2010, Principal Investments personnel provided numerous people at JPMVEC, including Masters, with spreadsheets showing a variety of revenues, hedges and costs for JPMVEC's California power plant assets, as well as estimated projections for several years out. While the specific bid strategy being employed was not described, the document included a "blue sky" estimate that if it continued to make similar bids and receive similar awards from CAISO for another eight years, the AES 4000 and HB3&4 units could generate net margin (profits), after demand payments and gas and other operating costs, of between $1.5 and $2.0 billion through 2018. If the units received no revenues of any kind, JPMVEC would still need to pay more than $1.5 billion in demand payments and other fixed costs. Masters forwarded the document to others to evaluate the "risk/opportunity" presented.

29. With this strategy, JPMVEC submitted the lowest Day Ahead bids allowed under the CAISO tariff, namely -$30/MWh. (That is, JPMVEC offered to pay CAISO $30 for each MWh of energy that CAISO purchased above the unit's Pmin.) JPMVEC also submitted Minimum Load Costs at the highest permissible level allowed under the CAISO tariff (i.e., twice the units' estimated actual costs of

running at Pmin). For the HB3&4 units, a Minimum Load Cost of about $8,200/hour for running at Pmin (91 MWs) translated to a per-MWh price of about $90/MWh.

30. The -$30 Day Ahead bids for energy above Pmin were designed to try to make the average price of JPMVEC's energy low enough to secure Day Ahead awards, even with energy up to Pmin priced at $90/MWh. When making -$30 Day Ahead bids, JPMVEC was (like other generators) paid at the Day Ahead LMP, which is almost always a positive number. (Day Ahead LMPs in CAISO during this period averaged in the range of $30 to $35, which was below the operating costs of JPMVEC's California units during this period.) In the Real Time market, for hours in which it had obtained Day Ahead awards, JPMVEC generally submitted bids at around 120% of Day Ahead LMPs. After receiving those bids, the CAISO system often responded by dec'ing the units down to Pmin.

31. The Principal Investments personnel were aware of the CAISO Bid Cost Recovery formula and its Metered Energy Adjustment Factor, or MEAF, and of the impact of a zero MEAF. The MEAF is a measure of the extent to which a generator actually ran at the level of its Day Ahead award above Pmin. If a generator runs at the level of its Day Ahead award, for example, the MEAF is 1.0. At the other extreme, if the generator instead is dec'ed down all the way to its Pmin, the MEAF is zero.

32. JPMVEC's buyback bids at 120% of Day Ahead prices were intended to be above Real Time LMPs, but only by a small amount. Although Real Time bids at higher prices would have made a dec-down more likely, higher bids could also have reduced JPMVEC's BCR payments. In response to JPMVEC's bids, CAISO often dec'ed JPMVEC's units down to their Pmin in the Real Time Market, resulting in a MEAF of zero.

33. JPMVEC's bids took into account that, under the BCR formula as then applied, a zero MEAF had two important impacts on payments from CAISO. First, a zero MEAF largely neutralized reductions to BCR that would otherwise have resulted from JPMVEC's -$30 Day Ahead bids. Second, a zero MEAF enabled JPMVEC to collect not only its full Minimum Load Cost (i.e., twice its estimated actual costs) but also market revenues for the same Pmin energy, for an effective per-MWh price well above market rates for the unit's Pmin energy.

34. In phone calls with the CAISO Market Monitor (MMU) in March and April 2011, when asked about the reasons for the company's bids to CAISO, the Principal Investments personnel who spoke on behalf of JPMVEC stated that their goal was to have the units picked up by CAISO and to respond to the Real

45. For the same hours for which it was submitting a self-schedule for Reg Down (a more attractive bid to CAISO than any priced bid), JPMVEC also submitted priced bids for energy at between $60/MWh and $88/MWh. The CAISO system honored the Reg Down self-schedules even where the energy bids were out of the money by giving JPMVEC Day Ahead energy awards to the unit's AGC levels. CAISO paid JPMVEC as bid (at $60-88/MWh) for the energy needed to support the Reg Down awards.

46. **Strategy D (April to June 2011).** In early April 2011, JPMVEC submitted -$30/MWh bids at the end of the day and in the next day's Day Ahead market submitted bids of $999 for the hours between midnight and 2 a.m. Because CAISO's system evaluated only one day's bids at a time, CAISO gave JPMVEC large Day Ahead awards in the closing hours of Day 1. Because CAISO's system respected the physical limitations of power plants, including the units' ramp rates that JPMVEC had filed with CAISO, the CAISO system gave JPMVEC "ramping" awards in the first two hours of Day 2 to respect these ramp rates. Under the then-existing tariff rules, CAISO paid JPMVEC for those "ramping" awards at the unit's bid price of $999, although market prices for the midnight to 2 a.m. period were about $12/MWh during those hours of low demand. Between April 1 and June 18, 2011, JPMVEC collected from CAISO approximately $17 million in payments at market rates and $6 million from exceptional dispatches, spent approximately $29 million on gas and other operating costs (i.e, not including fixed costs, such as demand payments), and received approximately $26 million in BCR payments.

47. **Strategy E (April 2011).** Between April 14 and 22, 2011, JPMVEC submitted low-priced bids (at $1/MWh) for ancillary services for certain hours, which were accepted by the CAISO system. Ancillary service awards can be performed only if a generator is at an output level well above Pmin.

48. For hours in which it had received Day Ahead ancillary service awards, JPMVEC submitted Real Time energy bids at $999. As market participants know, a Real Time bid of $1,000/MWh is likely to result in a dec-down to Pmin, and the CAISO system dispatched JPMVEC to run its units only at Pmin in Real Time during those hours. Finding JPMVEC's plants operating in the Real Time at too low a level to provide the ancillary services, CAISO dispatchers issued exceptional dispatches to ramp the units to levels where they could fulfill their ancillary service awards.

49. Under the tariff as then in place, CAISO paid JPMVEC at its Real Time bids (at $999/MWh) for exceptional dispatches to move the units up to their

AGC levels so that CAISO could implement the ancillary service awards that JPMVEC had received.

MISO Strategies

50. **Strategy F (October-November 2010).** In the final week of October 2010, certain Principal Investments personnel began providing combinations of prices and Minimum Run Times for the Kinder Jackson plant. (Minimum Run Times are the shortest period for which an ISO may give an award to a unit.)

51. On Friday, October 29, certain Principal Investments personnel provided Day Ahead bids for the Kinder Jackson plant for Saturday, Sunday, and Monday (October 30-November 1). For all three days, it set Minimum Run Time at four hours, No Load Cost (the equivalent of Minimum Load Cost in CAISO) at -$10,000, and energy costs at the end of the day between -$50/MWh and -$60/MWh for most output levels.

52. In MISO, generators submit Day Ahead bids in the morning and learn that afternoon whether their plant(s) received Day Ahead awards for the next day. Day Ahead bids for Monday, November 1, 2010, for example, had to be submitted in final form by the morning of Sunday, October 31, 2010, and generators learned that afternoon whether they had received awards based on those bids.

53. On the afternoon of Saturday, October 30, 2010, certain Principal Investments personnel learned that JPMVEC's Day Ahead bids for the final four hours of Sunday, October 31, had been awarded by the MISO system. Later that same afternoon, certain Principal Investments personnel changed the Day Ahead bid prices and Minimum Run Times for Monday, November 1: a four-hour Minimum Run Time became 20 hours; $80/MWh energy prices for the first 14 hours of Monday became $1,000/MWh; and a -$10,000 No-Load Cost was increased by $20,000 to positive $10,000.

54. But for a manual intervention by a MISO operator, the strategy would have earned JPMVEC about $2.5 million in RSG payments, while costing $123,000 for gas. This is because the MISO system would have respected the (new) 20-hour Minimum Run Time by giving the plant a Day 2 award for 16 hours (20 minus 4). Under the tariff, MISO would have paid the plant as bid, via make-whole (RSG) payments, for those 16 hours on Day 2.

55. Having noticed that certain Principal Investment personnel were providing varying Minimum Run Times, JPMVEC Compliance staff stated in an October 29, 2010 email: "...JPMVEC violated MISO's tariff in offers submitted

for Kinder Jackson. . . . A Minimum Run Time of 20 hours is inconsistent with the design of the equipment and does not comport with the tariff requirements set forth in Section 39.2.5.c[.]"

56. **Strategy G (February 17, 2011).** On February 16, 2011, certain Principal Investments personnel provided MISO bids that alternated from low to high every other hour: around \$10/MWh in odd-numbered hours but as high as \$178/MWh in even-numbered hours. One outcome of these bids would be for the MISO system to give the plant Day Ahead awards during the low-priced hours and then pay JPMVEC as bid (at above-market prices) via make-whole payments as the unit was given ramping awards during the high-priced hours. Although the MISO system gave the unit ramping awards, it blocked payment of RSG or other make-whole payments during the ramping periods. Without make-whole payments, the bidding strategy lost \$139,000 that day.

57. **Strategy H (April 27 to May 6, 2011).** In late April 2011, the Principal Investments personnel provided low or negative bids in the Day Ahead market. They subsequently provided positive Real Time bids and the MISO dec'ed the units in Real Time. MISO's tariff provided that DAMAP payments were determined by multiplying (i) the amount of the unit's dec-down (e.g., 300 MW) by (ii) the difference between the Real Time LMP and the generator's Day Ahead bid (e.g., \$30 - (-\$15) = \$45). An internal JPMVEC Compliance memo stated that this MISO bidding strategy "may not be compensatory without unnecessary uplift payments."

JPMVEC's Bidding Strategies in CAISO Between March and November 2012

58. From July 2011 through February 2012, JPMVEC utilized marginal cost-based bids while it assessed alternative bid strategies.

59. Starting in March 2012, Principal Investments was again given responsibility for providing bids to CAISO, within certain parameters set by JPMVEC. Between March and November 2012, JPMVEC employed bidding strategies in CAISO that were similar in some respects to those described above. These strategies included:

a. Submission of Day Ahead bids of -\$30/MWh for three hours before midnight on Day 1, along with high-priced bids on Day 2, for units that had a 24-hour Minimum Run Time (i.e., the shortest period that a unit may be given an award). CAISO sent JPMVEC notices each day about how the plants were awarded. The notices showed that the CAISO system often gave the units Day Ahead awards at Pmin for 21 hours on Day 2, while paying JPMVEC at the highest Minimum Load Cost permitted by the tariff, i.e., twice the units' estimated actual costs for Pmin energy during those 21 hours.

b. Self-scheduling a unit in the Day Ahead market for the hour between 11 p.m. and midnight, while submitting high-priced Day Ahead bids for the first 23 hours of that same day, for units that had a 24-hour Minimum Run Time. CAISO sent JPMVEC notices each day about how the plants were awarded. The notices showed that the CAISO system often gave the units Day Ahead awards at Pmin for the first 23 hours of the day, while paying JPMVEC twice the units' estimated actual costs for Pmin energy during those 23 hours.

c. Within the 75-minute window permitted by the tariff, changing a unit's Real Time bids from prices below $50/MWh to $1,000/MWh for upcoming hours of that same day after receiving notice that CAISO planned to exceptionally dispatch the unit for those hours.

d. Submission of Day Ahead bids at $250/MWh or higher, and Real Time bids of $1,000/MWh, even though those bids would be expected to preclude marketplace awards at high LMPs, to position units to receive exceptional dispatches (when selected by CAISO) that would be paid at JPMVEC's bid price.

III. Violations

A. Enforcement Determined that JPMVEC Engaged in Market Manipulation

60. As explained in Order No. 670, the Commission's Anti-Manipulation Rule, 18 C.F.R. § 1c.2 (2012), prohibits an entity from:

> (1) us[ing] a fraudulent device, scheme or artifice, or mak[ing] a material misrepresentation or a material omission as to which there is a duty to speak under a Commission-filed tariff, Commission order, rule or regulation, or engag[ing] in any act, practice, or course of business that operates or would operate as a fraud or deceit upon any entity; (2) with the requisite scienter; (3) in connection with the purchase or sale of...electric energy...subject to the jurisdiction of the Commission.

61. Enforcement determined that through each of the bid strategies described above, JPMVEC violated the Anti-Manipulation Rule by engaging in conduct that satisfied the three elements set forth in the preceding paragraph.

62. Enforcement determined that, by reviewing how the CAISO and MISO systems responded when it tested these strategies, JPMVEC could in most cases accurately predict the awards that CAISO and MISO would give to

f. JPMVEC's Day Ahead bids (such as -\$30/MWh in CAISO and -\$15/MWh in MISO) displaced other generation and altered Day Ahead and Real Time LMPs and congestion values from the prices that would have resulted had JPMVEC not submitted these bids.

g. All of these strategies interfered with and distorted well-functioning markets in CAISO and MISO.

B. Enforcement Determined that JPMVEC Violated the MISO Tariff

64. Enforcement determined that JPMVEC violated Section 39.2.5.c of the MISO tariff when it increased the Minimum Run Time of the Kinder Jackson unit from the plant's actual Minimum Run Time of four hours to 20 hours on multiple trade dates in October and November 2010, including trade date November 1, 2010.

IV. Remedies and Sanctions

65. For purposes of settling any and all civil and administrative disputes arising out of, related to, or connected with Enforcement's investigation, JPMVEC agrees with the facts as stipulated in Section II of this Agreement but neither admits nor denies the violations described in Section III of this Agreement. JPMVEC agrees to take the following actions:

A. Disgorgement

66. JPMVEC shall disgorge alleged unjust profits and interest in the total amount of \$125,000,000 within 30 days after the Effective Date of this Agreement. A total of \$124,000,000 will be provided to CAISO to be allocated for the benefit of current CAISO ratepayers through an internal accounting procedure, and a total of \$1,000,000 will be provided to MISO to be allocated for the benefit of current MISO ratepayers through an internal accounting procedure.

67. JPMVEC agrees to permanently and irrevocably dismiss, waive, and release any right to pursue any claim for additional payments from CAISO for (a) exceptional dispatches of AES 4000 units between April 12, 2012 and the present, including but not limited to the claims set forth in its Complaint in *J.P. Morgan Ventures Energy Corp. v. California Independent System Operator Corporation*, Docket No. EL12-105-000 (filed Sept. 14, 2012 and subsequently dismissed without prejudice) and (b) BCR payments for the AES 4000 and HB3&4 units for trade dates through March 25, 2011 with respect to the claims arising from CAISO's tariff amendment filed in California Independent System Operator Corporation, Docket No. EL12-73. JPMVEC agrees not to seek any additional payment from CAISO for any exceptional dispatch or BCR during the above periods in any court, agency, or other forum, including the Commission. JPMVEC

agrees to promptly prepare and file all documents necessary to effectuate this dismissal, waiver, and release.

B. Civil Penalty

68. JPMVEC shall pay a civil penalty of $285,000,000 to the United States Treasury, by wire transfer, within 30 days after the Effective Date of this Agreement, as defined below.

C. Compliance

69. For three years following the Effective Date of this Agreement, JPMVEC shall make annual reports to Enforcement concerning its U.S. power business, with the first report due during the last business week of January 2014. Each report shall advise Enforcement of any violations of Commission regulations or ISO tariff requirements that have occurred during the applicable period and are known to JPMVEC. The first report shall provide copies of written compliance procedures specifically applicable to the U.S. power business, and later reports shall provide copies of any such procedures that are new or revised since the previous reporting period. Each report shall provide copies of all compliance training materials administered to personnel in that business, as well as documentation that the relevant personnel have received such training and when they did so. Each report shall include an affidavit executed by an officer of JPMVEC that the compliance monitoring reports are true and accurate to the best of his or her knowledge. On request by Enforcement, JPMVEC shall provide to Enforcement documentation to support its reports.

70. JPMVEC will engage outside counsel approved by Enforcement to assist with an assessment of its current policies and procedures specifically applicable to its U.S. power business. The assessment will be done at the direction of JP Morgan's Office of the General Counsel. The assessment shall address best practices that are (or could be) implemented, lessons learned from this assessment, and recommendations for improvement. The assessment shall be completed within six months of the Effective Date and presented to senior JPMVEC business leaders. JPMVEC will refine current policies and training based on the assessment as appropriate. JPMVEC will provide a status report to Enforcement 30 days after completion of the assessment, with a second status report six months later regarding implementation of any recommendations stemming from the assessment.

D. Other Matters

71. Enforcement and JPMVEC agree to jointly file with the D.C. Circuit Court of Appeals, within two business days of the Effective Date, (i) a joint request for the Court to vacate the district court order entered on November 29, 2012 in

FERC v. JPMVEC, Docket No. 1:2012-mc-00352-DAR, and (ii) a signed dismissal agreement under Fed. R. App. P. 42(b) of the appeal docketed as Case No. 13-5013, specifying that no costs are to be paid by any party. JPMVEC further agrees to move, within two business days of the Effective Date, to voluntarily terminate its party status in Case No. 12-1268 (to which it may state that Enforcement consents), specifying that no costs are to be paid by any party, and JPMVEC and Enforcement agree to jointly advise the Court of Appeals at that time that the investigations docketed at IN11-08 and IN13-05 have now been terminated.

E. Terms

72. The Effective Date of this Agreement shall be the date on which the Commission issues an order approving this Agreement without material modification.

73. Upon the Effective Date of this Agreement, the Commission shall release JPMVEC and any parent, successor, subsidiary, or affiliate, along with the respective shareholders, predecessors, successors, assigns, agents, officers, directors and employees, past or present, of each such entity (collectively, "Released Persons") and forever bar the Commission from holding any Released Person liable for any and all administrative or civil claims, known or unknown, arising out of, related to, or connected with Enforcement's investigation of JPMVEC's bidding practices in CAISO and MISO up to the Effective Date of this Agreement or in connection with any other pending investigation or inquiry by Enforcement (all as separately disclosed to JPMVEC) of the conduct of any Released Person up to the Effective Date of this Agreement. Moreover, upon the Effective Date of this Agreement, the investigations in Docket Nos. IN11-08 and IN13-05 shall terminate.

74. JPMVEC's failure to: (a) make a timely civil penalty payment; (b) make a timely disgorgement payment as set forth in paragraph 66 above; (c) comply with the compliance requirements specified herein; or (d) comply with any other material provision of this Agreement, shall be deemed a violation of a final order of the Commission issued pursuant to the Federal Power Act, 16 U.S.C. § 792, et seq., and may subject JPMVEC and any successor companies to additional action under the enforcement and penalty provisions of the Federal Power Act.

75. If JPMVEC fails to make the civil penalty and disgorgement payments described above at the times agreed by the parties, interest payable to the United States Treasury will begin to accrue pursuant to the Commission's regulations at 18 C.F.R. § 35.19a(a)(2)(iii)(A) (2012) from the date the payments are due, in addition to any other enforcement action and penalty that the

Commission may take or impose.

76. This Agreement binds JPMVEC and its agents, successors and assigns. The Agreement does not create any additional or independent obligations on JPMVEC or any affiliated entity, its agents, officers, directors, or employees, other than the obligations identified in this Agreement. Enforcement and JPMVEC do not intend for this Agreement to entitle any other party to any claim for monetary or other compensation.

77. The signatories to this Agreement agree that they enter into the Agreement voluntarily and that, other than the recitations set forth herein, no tender, offer, or promise of any kind by any member, employee, officer, director, agent, or representative of Enforcement or JPMVEC has been made to induce the signatories or any other party to enter into the Agreement.

78. Unless the Commission issues an order approving this Agreement in its entirety and without material modification, the Agreement shall be null and void and of no effect whatsoever, and neither Enforcement nor JPMVEC shall be bound by any provision or term of this Agreement, unless otherwise agreed to in writing by Enforcement and JPMVEC.

79. In connection with the payment of the civil penalty provided for herein, JPMVEC agrees that the Commission's order approving this Agreement without material modification shall be a final and unappealable order assessing a civil penalty under § 316A(b) of the Federal Power Act, 16 U.S.C. § 825o-1(b). JPMVEC waives findings of fact and conclusions of law, rehearing of any Commission order approving this Agreement without material modification, and judicial review by any court of any Commission order approving this Agreement without material modification.

80. This Agreement may be modified only if in writing and signed by JPMVEC and Enforcement. No waiver of any provision of this Agreement or departure from any term of this Agreement shall be effective unless in writing and signed by JPMVEC and Enforcement. No modification will be effective unless any approval of the Commission that may be required with respect to such modification has been received.

81. Each of the undersigned warrants that he or she is an authorized representative of the entity designated, is authorized to bind such entity, and accepts this Agreement on the entity's behalf.

82. This Agreement may be executed in counterparts.

Accepted and Agreed To:

Norman C. Bay
Director, Office of Enforcement
Federal Energy Regulatory Commission

DATE: July 19, 2013

J.P. Morgan Ventures Energy Corp.
Stephen M. Cutler
General Counsel, JPMorgan Chase & Co., pursuant to resolution

DATE: July 19, 2013